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MELBOURNE, AUSTRALIA.

LABOUR AND INDUSTRIAL BRANCH  
REPORT No 11.

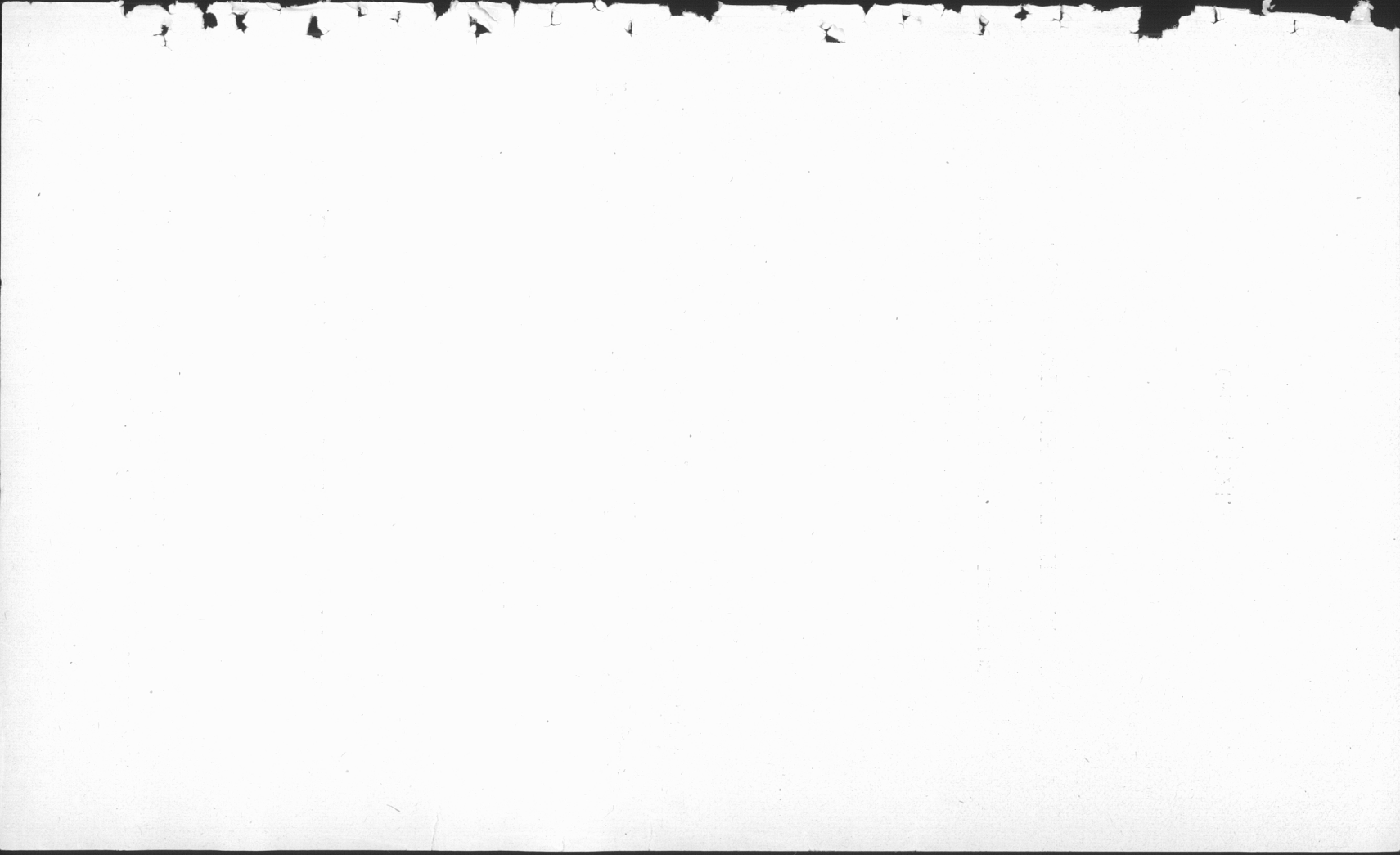
Prices, Purchasing-Power of Money, Wages,  
Trade Unions, Unemployment, and General  
Industrial Conditions, 1920.

Prepared under instructions from the  
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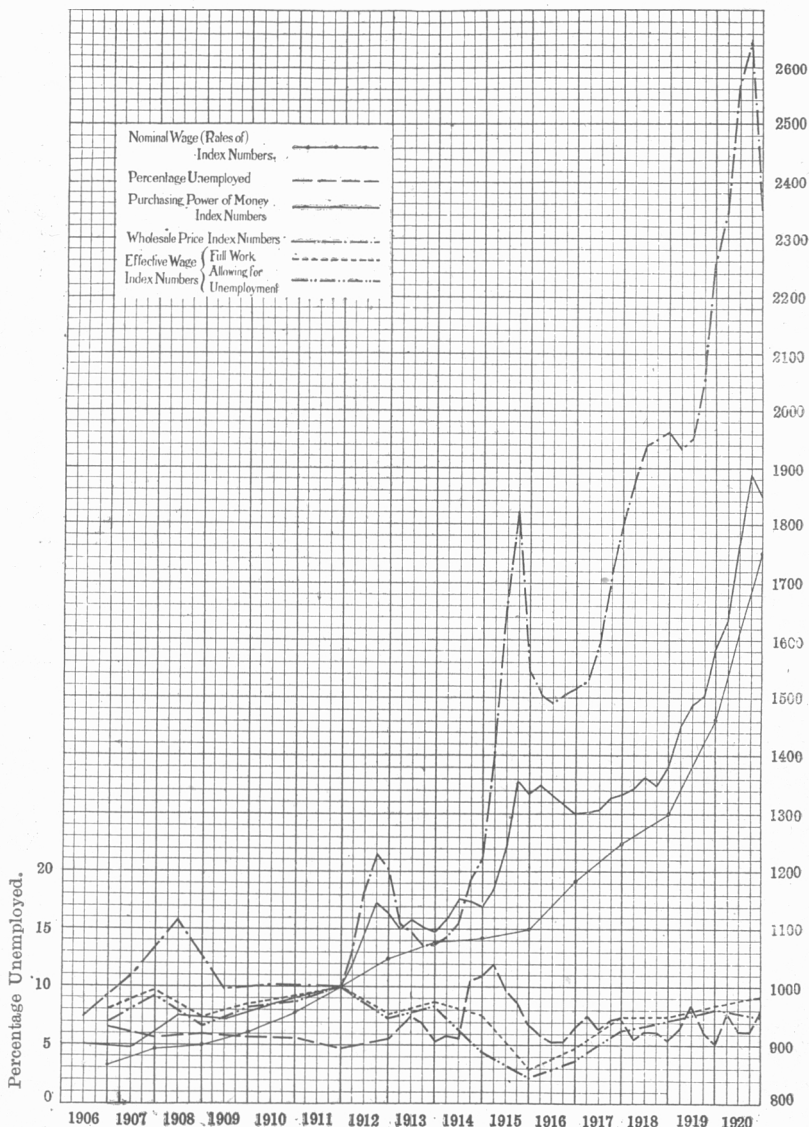
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**Purchasing-Power-of-Money, Wholesale Prices, and Nominal and Effective Wage Index-Numbers, and Percentage of Unemployed.**



**EXPLANATORY NOTE.**—The figures on the left represent the scale for the percentage of persons unemployed according to trade union returns. The figures on the right represent the scale for the several index-numbers, the year 1911 being taken in each case as base (= 1000). Since the end of the year 1911 the index-numbers for cost of food, groceries, and house rent (average for the six metropolitan towns) and for wholesale prices (Melbourne) are shown each quarter, while unemployment percentages are shown quarterly since the end of the year 1912 only. Unemployment figures for previous years are shown as at the end of each year, while other index-numbers refer to the average for the whole year. Nominal and effective wage index-numbers are only computed annually. It should be observed that the purchasing-power-of-money and wholesale-price index-numbers since the year 1911 show the average level during the whole of each quarter; but for purposes of convenience they have, however, been plotted on the graph as at the end, and not the middle, of each quarter. The purchasing-power-of-money index-number is based upon a constant regimen: see Report No. 1. Appendix vii., and Labour Bulletin No. 9, pp. 27 to 46.

## SECTION I.—INTRODUCTION.

**I. General.**—This report contains information in summarised form regarding trade unionism, unemployment, prices, rents, purchasing-power of money, wages, industrial disputes, and general industrial conditions, and covers the matters of general interest and importance investigated each year since 1913 by the Labour and Industrial Branch of this Bureau. In some instances, however, the inquiry was carried back as far as 1891. In addition, the Appendixes to the Report furnish detailed particulars in a comparable form—firstly, as to prices (wholesale and retail) and rents for the year 1920, and secondly, as to current rates of wages and hours of labour in all the more important trades and occupations in the several States.

Most, if not all, of the subjects dealt with in this Report have not in the past received the attention they demand, and in view of the lack of data bearing thereon, it became necessary, before any comprehensive or reliable results could be obtained to create a suitable organisation and collect the necessary information

In consequence of the urgent necessity for economy, the publication of the Quarterly Labour Bulletins ceased with No. 18 (June, 1917). The principal tables hitherto published in these Bulletins are included in the Quarterly Summary of Australian Statistics.

Notwithstanding the explicit statement of the purpose and scope of the investigations of the Bureau as to variations in prices and purchasing-power of money given in the various Labour Reports, misunderstandings in regard thereto are prevalent. The subject is again alluded to in the present issue. Moreover, a limited number of copies of a special article entitled "Price-Indexes, their Nature and Limitations, the Technique of Computing them, and their Application in Ascertaining the Purchasing-Power of Money" was issued in pamphlet form during the year 1919, and the report was printed in Labour Report No. 9 (vide Appendix 1). Part I. of this Appendix consists of introductory remarks on price-indexes. In Part II. the purchasing-power of money and the nature of price-indexes are indicated, while in Parts III. and IV. the technique and significance of price-indexes are dealt with in detail.

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*NOTE.*—The Labour Report, in its accounts of proceedings, abstracts of reports, legal decisions, quotations and other matters of concern to labour, is not to be regarded as expressing an official endorsement of any of the views or opinions contained therein.

In Appendixes to Labour Report, No. 9, tabular information was given of the commodities included for both wholesale and retail price investigations in various other countries.

**2. Sources of Information.**—In the collection of the data upon which the particulars given in this Report are based, a great variety of sources of information has been utilised. For example, in the collection of data as to the purchasing-power of money, particulars are obtained direct from retail dealers and house-agents, the complete scheme providing for the collection, analysis, and tabulation of over 150,000 separate prices and quotations each year. Particulars as to wholesale prices are taken from the market quotations in the daily press and in trade journals. Information as to unemployment is collected from trade unions, partly direct and partly through the labour agents and correspondents whose services are also utilised in collecting returns from trade unions as to industrial disputes and changes in rates of wage. As regards the last two matters, however, returns are also collected from employers and employers' associations. A large number of reports and returns are also received from official sources. These relate to operations of industrial courts and wages boards, employment bureaux, assisted and nominated immigrants, accidents, and cognate matters. Although the work of collecting the necessary information and of keeping in touch with industrial conditions and matters throughout the whole Commonwealth from a single bureau centralised in Melbourne is necessarily one of some difficulty and magnitude, it is felt that the conspectus which is thus given of the industrial affairs of the entire Commonwealth fully justifies the effort, and is essential to a proper understanding of the industrial position of Australia.

It is gratifying to note that the response of all persons has been, on the whole, satisfactory, and the thanks of the Bureau are due to officials who at the cost of a considerable amount of personal inconvenience supplied the desired information from the books of their Associations and from other sources.

During the years 1919 and 1920 enquiries from the Labour and Industrial Branch of the Bureau for particulars relating to the variations in the prices of commodities and house rents, changes in rates of wage, industrial disputes, unemployment, etc., were greatly in excess of those in previous years, and it is very gratifying to record that secretaries of trade unions, and employers' associations, officials of various State and Commonwealth departments, municipal bodies and private employers readily responded. The cordial thanks of the Bureau are extended to all those who forwarded returns.

**3. Classification of Industries.**—For the purpose of tabulating the results of the investigations which have been made in regard to labour

organisation, unemployment, rates of wage, industrial disputes, etc., the following classification of trades and occupations has been adopted:—

**Classification of Industries and Occupations.**

|      |   |       |   |
|------|---|-------|---|
| I.   | Wood, Furniture, Sawmill, Timber-works, &c.             | VIII. | Mining, Quarries, &c.                             |
| II.  | Engineering, Metal Works, &c.                           | IX.   | Railway and Tramway Services.                     |
| III. | Food, Drink, and Tobacco, Manufacture and Distribution. | X.    | Other Land Transport.                             |
| IV.  | Clothing, Hats, Boots, Textiles, &c.                    | XI.   | Shipping, Wharf Labour, &c.                       |
| V.   | Books, Printing, Bookbinding, &c.                       | XII.  | Pastoral, Agricultural, Rural, Horticultural, &c. |
| VI.  | Other Manufacturing.                                    | XIII. | Domestic, Hotels, &c.                             |
| VII. | Building.   | XIV.  | Miscellaneous.                                    |





These figures shew that the number of unions in 1920 was more than double the number in 1906. The membership during the same period increased nearly four-fold. The increase in membership in any one year was greatest in 1913, when it amounted to 64,701, and least in 1915, when it was only 4760. The increase in the year 1914 was 25,346; in 1916, 18,525; in 1917, 17,631; in 1918, 17,568; in 1919, 45,930; and in 1920, 56,765.

3. **Number and Membership of Trade Unions and Branches, 1912 to 1920.**—The following table gives particulars of the number of trade unions, the number of branch unions, and the number of members in each State and the Commonwealth at the end of the years 1912 to 1920.

**Number of Trade Unions, Branch Unions and Membership, at end of Years 1912 to 1920.**

| Year.                              | N.S.W.  | Vic.    | Q'land. | S.A.   | W.A.   | Tas.   | N'thern<br>T'tory. | Total.  | C'wlth. |
|------------------------------------|---------|---------|---------|--------|--------|--------|--------------------|---------|---------|
| NO. OF SEPARATE UNIONS.            |         |         |         |        |        |        |                    |         |         |
| 1912                               | 177     | 151     | 67      | 78     | 97     | 51     | ..                 | 621     | *408    |
| 1913                               | 201     | 162     | 94      | 86     | 107    | 60     | ..                 | 710     | *432    |
| 1914                               | 197     | 170     | 86      | 87     | 107    | 62     | 3                  | 712     | *430    |
| 1915                               | 203     | 161     | 89      | 87     | 104    | 66     | 3                  | 713     | *415    |
| 1916                               | 199     | 151     | 93      | 86     | 107    | 66     | 3                  | 705     | *392    |
| 1917                               | 220     | 156     | 96      | 93     | 108    | 71     | 3                  | 747     | *389    |
| 1918                               | 217     | 158     | 102     | 101    | 111    | 74     | 4                  | 767     | *394    |
| 1919                               | 211     | 160     | 106     | 101    | 112    | 77     | 4                  | 771     | *394    |
| 1920                               | 214     | 158     | 115     | 104    | 121    | 81     | 3                  | 796     | *388    |
| NO. OF BRANCHES.                   |         |         |         |        |        |        |                    |         |         |
| 1912                               | 453     | 241     | 226     | 62     | 177    | 33     | ..                 | 1,192   | †1,405  |
| 1913                               | 555     | 292     | 230     | 74     | 174    | 60     | ..                 | 1,385   | †1,663  |
| 1914                               | 598     | 314     | 224     | 85     | 214    | 62     | ..                 | 1,497   | †1,779  |
| 1915                               | 721     | 312     | 246     | 94     | 203    | 63     | ..                 | 1,639   | †1,937  |
| 1916                               | 790     | 361     | 290     | 102    | 170    | 72     | ..                 | 1,785   | †2,098  |
| 1917                               | 765     | 353     | 291     | 98     | 195    | 76     | ..                 | 1,778   | †2,136  |
| 1918                               | 785     | 349     | 298     | 137    | 195    | 75     | ..                 | 1,836   | †2,209  |
| 1919                               | 748     | 411     | 338     | 134    | 161    | 76     | ..                 | 1,868   | †2,245  |
| 1920                               | 871     | 453     | 340     | 139    | 172    | 81     | ..                 | 2,056   | †2,464  |
| NO. OF MEMBERS.                    |         |         |         |        |        |        |                    |         |         |
| 1912                               | 192,626 | 116,557 | 44,768  | 37,336 | 33,282 | 8,655  | ..                 | 433,224 | 433,224 |
| 1913                               | 230,677 | 130,176 | 51,683  | 40,061 | 35,317 | 10,011 | ..                 | 497,925 | 497,925 |
| 1914                               | 240,023 | 138,810 | 55,580  | 40,956 | 38,106 | 9,149  | 647                | 523,271 | 523,271 |
| 1915                               | 241,979 | 141,993 | 58,310  | 39,264 | 35,980 | 9,346  | 1,159              | 528,031 | 528,031 |
| 1916                               | 244,074 | 147,614 | 66,807  | 42,537 | 33,900 | 10,263 | 1,361              | 546,556 | 546,556 |
| 1917                               | 248,851 | 148,730 | 75,393  | 45,400 | 33,263 | 10,886 | 1,664              | 564,187 | 564,187 |
| 1918                               | 243,176 | 152,063 | 87,737  | 51,559 | 33,761 | 11,900 | 1,559              | 581,755 | 581,755 |
| 1919                               | 255,899 | 164,583 | 97,378  | 56,879 | 38,169 | 13,556 | 1,221              | 627,685 | 627,685 |
| 1920                               | 277,519 | 187,100 | 103,784 | 55,958 | 44,054 | 15,220 | 815                | 684,450 | 684,450 |
| PERCENTAGE INCREASE IN MEMBERSHIP. |         |         |         |        |        |        |                    |         |         |
| 1913                               | 12.0    | 11.2    | 11.5    | 10.7   | 10.6   | 11.6   | ..                 | 11.5    | 11.5    |
| 1914                               | 4.1     | 6.6     | 7.5     | 2.2    | 7.9    | †8.6   | ..                 | 5.1     | 5.1     |
| 1915                               | 0.8     | 2.3     | 4.9     | †4.1   | †5.6   | 2.2    | 79.1               | 0.9     | 0.9     |
| 1916                               | 0.9     | 4.0     | 14.6    | 8.3    | †5.8   | 9.8    | 17.4               | 3.5     | 3.5     |
| 1917                               | 2.0     | 0.8     | 12.9    | 6.7    | †1.9   | 6.1    | 22.3               | 3.2     | 3.2     |
| 1918                               | †2.3    | 2.2     | 16.4    | 13.6   | 1.5    | †4.3   | †6.3               | 3.1     | 3.1     |
| 1919                               | 5.2     | 8.2     | 11.0    | 10.3   | 13.1   | 13.9   | †21.7              | 7.9     | 7.9     |
| 1920                               | 8.4     | 13.7    | 6.6     | †1.6   | 15.4   | 12.3   | †33.3              | 9.0     | 9.0     |

\* Allowing for inter-State excess. The figures represent the number of distinct organisations and inter-State groups of organisations in the Commonwealth. They do not represent the total number of organisations which are practically independent and self-governing (see remarks below).  
† Includes not only branches of separate State unions and sub-branches in each State of inter-State unions, but also head State branches of inter-State unions. ‡ Decrease.

In the above table, under heading the "Number of Separate Unions," each union represented in a State is counted only once, regardless of the

number of branches in that State. In taking the total number of separate unions in the Commonwealth (see last column but one), it is obvious that, in the case of Inter-state and similar unions, there will be duplication, since each such union is counted once in each State in which it has any branches. In the figures given in the last column, a deduction has been made for this duplication.

Except in the last column, the "Number of Branches" indicates the number of branches of State head offices, which may, of course, themselves be branches of an inter-State or larger organisation. State branches of inter-State or federated unions, as well as sub-branches within a State, are included under the heading "branches" in the last column. It should be observed that the schemes of organisation of these inter-State or federated unions vary greatly in character, and the number of separate Commonwealth unions does not fairly represent the number of practically independent organisations in Australia. In some of these unions the State organisations are bound together under a system of unification with centralised control, while in others the State units are practically independent and self-governing, the federal bond being loose and existing only for one or two specified purposes.

The percentage increase in membership in each year is given in the last part of the table. The increase was greatest in 1913 (11.5 per cent.), and least in 1915 (0.9 per cent.). The increase in membership in 1920 compared with 1912 amounts to 58.0 per cent.

There has been an increase in membership in Victoria and Queensland in each of the years 1913 to 1920 inclusive, and in New South Wales in each year except 1918. In South Australia there were small decreases in membership in 1915 and in 1920. In Tasmania a decrease occurred in 1914, but the figures for subsequent years shew increases. In Western Australia there was a decrease in each of the years 1915, 1916, and 1917, and an increase in 1913, 1914, 1918, 1919 and 1920.

**4. Number of Unions and Membership in Industrial Groups, Commonwealth, 1912 to 1920.**—The following table gives the number and membership of trade unions in the Commonwealth, classified according to Industrial Group, at the end of the years 1912 to 1920. It will be seen from the following table that the number of unions classified in Group XIV. (Miscellaneous), increased considerably during the period under review, and that a correspondingly large increase occurred in the membership of the group. During recent years, many associations of employees of public and semi-public bodies have been organised, and such unions are now included in the tabulations. Public service, municipal, banking and insurance associations, which were not previously recognised, are now registered under the provisions of Commonwealth and State Industrial Arbitration Acts, and are therefore classified as industrial bodies. These organisations are responsible, to a great extent, for the increase in Group XIV. Groups II. (Engineering, Metal Works, etc.), VI. (Other Manufacturing), IX. (Railway and Tramway Services), and XIII. (Domestic, Hotels, etc.), shew fairly large increases in membership during the year 1920; Groups XI. (Shipping, etc.), and XII. (Pastoral, Agricultural, etc.), shew decreases during the year; but in the other groups the membership has not varied to any great extent.

**Number and Membership of Trade Unions in the Commonwealth classified  
in Industrial Groups at the end of years 1912 to 1920.**

| Industrial Groups.                    | 1912    | 1914.   | 1915.   | 1916.   | 1917.   | 1918.   | 1919.   | 1920.   |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| NUMBER OF UNIONS.                     |         |         |         |         |         |         |         |         |
| I. Wood, Furniture, etc. ..           | 24      | 20      | 20      | 20      | 19      | 20      | 20      | 19      |
| II. Engineering, Metal Works, etc. .. | 71      | 76      | 77      | 76      | 75      | 77      | 77      | 76      |
| III. Food, Drink, Tobacco, etc. ..    | 70      | 70      | 72      | 69      | 74      | 80      | 77      | 71      |
| IV. Clothing, Hats, Boots, etc. ..    | 33      | 30      | 31      | 28      | 26      | 28      | 27      | 26      |
| V. Books, Printing, etc. ..           | 30      | 29      | 30      | 29      | 29      | 30      | 29      | 26      |
| VI. Other Manufacturing ..            | 80      | 80      | 78      | 78      | 84      | 84      | 84      | 84      |
| VII. Building ..                      | 60      | 67      | 63      | 63      | 60      | 58      | 57      | 56      |
| VIII. Mining, Quarries, etc. ..       | 28      | 27      | 27      | 26      | 25      | 26      | 20      | 18      |
| IX. Railway and Tramway Services      | 25      | 32      | 31      | 28      | 34      | 40      | 43      | 43      |
| X. Other Land Transport ..            | 19      | 25      | 24      | 23      | 22      | 23      | 23      | 22      |
| XI. Shipping, etc. ..                 | 41      | 63      | 66      | 65      | 73      | 72      | 71      | 69      |
| XII. Pastoral, Agricultural, etc. ..  | 14      | 11      | 12      | 10      | 10      | 9       | 8       | 9       |
| XIII. Domestic, Hotels, etc. ..       | 27      | 22      | 20      | 22      | 19      | 20      | 20      | 23      |
| XIV. Miscellaneous ..                 | 99      | 160     | 162     | 168     | 197     | 200     | 215     | 254     |
| Total ..                              | 621     | 712     | 713     | 705     | 747     | 767     | 771     | 796     |
| NUMBER OF MEMBERS.                    |         |         |         |         |         |         |         |         |
| I. Wood, Furniture, etc. ..           | 18,569  | 19,071  | 16,172  | 14,762  | 16,365  | 18,953  | 21,156  | 23,691  |
| II. Engineering, Metal Works, etc. .. | 29,953  | 42,108  | 47,104  | 49,230  | 47,023  | 47,135  | 49,043  | 53,870  |
| III. Food, Drink, Tobacco, etc. ..    | 28,132  | 39,763  | 38,504  | 41,515  | 41,229  | 40,953  | 46,569  | 49,447  |
| IV. Clothing, Hats, Boots, etc. ..    | 16,691  | 17,593  | 21,885  | 25,962  | 29,150  | 31,856  | 38,620  | 40,325  |
| V. Books, Printing, etc. ..           | 8,214   | 9,821   | 10,784  | 11,079  | 11,401  | 11,972  | 13,259  | 15,136  |
| VI. Other Manufacturing ..            | 24,838  | 29,002  | 30,648  | 32,119  | 30,017  | 30,673  | 34,901  | 39,710  |
| VII. Building ..                      | 25,609  | 36,598  | 37,739  | 36,255  | 34,772  | 35,761  | 37,301  | 40,348  |
| VIII. Mining, Quarries, etc. ..       | 39,203  | 39,733  | 33,024  | 33,515  | 34,029  | 35,519  | 40,278  | 41,777  |
| IX. Railway and Tramway Services      | 56,005  | 71,260  | 76,482  | 75,896  | 79,520  | 74,813  | 83,183  | 89,069  |
| X. Other Land Transport ..            | 14,550  | 17,687  | 17,208  | 15,719  | 14,728  | 14,487  | 15,903  | 17,862  |
| XI. Shipping, etc. ..                 | 35,000  | 44,536  | 42,903  | 45,868  | 51,746  | 50,433  | 48,598  | 41,668  |
| XII. Pastoral, Agricultural, etc. ..  | 52,180  | 44,593  | 38,334  | 37,679  | 40,735  | 44,176  | 46,794  | 42,923  |
| XIII. Domestic, Hotels, etc. ..       | 14,289  | 11,435  | 9,269   | 9,907   | 10,163  | 11,169  | 14,702  | 19,353  |
| XIV. Miscellaneous ..                 | 69,991  | 100,376 | 107,975 | 117,050 | 123,309 | 133,855 | 137,378 | 169,271 |
| Total ..                              | 433,224 | 523,271 | 528,031 | 546,556 | 564,187 | 581,755 | 627,685 | 684,450 |

For particulars relating to year 1913, see Labour Report, No. 10.

**5. Percentage of Male and Female Members of Trade Unions.—**

(i.) *Percentage of Male and Female Members of Trade Unions in each State and Commonwealth, 1920.* The results of the Census taken in 1911 shew the percentage of male and female employees (*i.e.*, persons "in receipt of wages or salary," and persons "unemployed"), 20 years of age and over, on the total male and female population. Applying these percentages to the estimated total male and female population in 1920, the estimated number of adult employees of each sex in 1920 is obtained. This is, of course, subject to some measure of uncertainty at a point of time—like the present—*viz.*, 10 years after the date of the Census.

The following table shews separately for males and females and for each State (a) the number of members of trade unions, (b) the estimated total number of employees of each sex, 20 years of age and over, in all professions, trades, and occupations, and (c) the percentage of the former (a) on the latter (b). It should be pointed out that the *estimated total number of employees comprises all persons (over the age specified) in receipt of wages or salary, as well as those unemployed*; the estimate therefore includes a large number of adults who are either not eligible for membership of any trade union (such as certain persons employed in professional occupations) or who, while eligible for membership in so far as the nature of their trade or occupation is concerned, do not reside in a locality which is covered by any union embracing their particular trade or occupation. It is also proper to observe that the age at which persons

are eligible for membership varies in different unions. The Census results are classified in quinquennial age groups, and the sum of the groups 20 years of age and over is taken as more closely approximating to the average age of admission to membership than that of any other groups.

**Percentage of Male and Female Members of Trade Unions on Estimated Total Number of Male and Female Employees, 20 years of Age and over, in all Professions, Trades, and Occupations, at end of Year 1920.\***

| Particulars.  | N.S.W.  | Vic.    | Q'land. | S.A.   | W.A.   | Tas.   | Nthn.<br>T'ory. | C'with.   |
|---|---------|---------|---------|--------|--------|--------|-----------------|-----------|
| <b>MALES.</b>   |         |         |         |        |        |        |                 |           |
| No. of Members of Unions ..                                     | 253,393 | 154,350 | 93,162  | 50,957 | 39,617 | 14,326 | 815             | 606,620   |
| Estimated Total No. of Employees<br>20 years of age and over .. | 407,284 | 273,675 | 147,809 | 84,192 | 81,261 | 38,910 | 1,722           | 1,034,853 |
| Percentage of Members on Estimated Total No. Employees          | 62.2    | 56.4    | 63.0    | 60.5   | 48.8   | 36.8   | 47.3            | 58.6      |
| <b>FEMALES.</b>   |         |         |         |        |        |        |                 |           |
| No. of Members of Unions ..                                     | 24,126  | 32,750  | 10,622  | 5,001  | 4,537  | 894    | ..              | 77,830    |
| Estimated Total No. of Employees<br>20 years of age and over .. | 90,637  | 83,317  | 29,095  | 20,605 | 13,787 | 8,064  | 91              | 245,596   |
| Percentage of Members on Estimated Total No. Employees          | 26.6    | 39.3    | 36.5    | 24.3   | 32.2   | 11.1   | ..              | 31.7      |

\* Corresponding figures for 1912 will be found in Report No. 2, page 12; for 1913, in Report No. 5, page 10; or 1914 and 1915 in Report No. 6, page 11; for 1916 in Report No. 7, page 343; for 1917 in Report No. 8, page 13; for 1918 in Report No. 9, page 14; and for 1919 in Report No. 10, page 14.

It may be seen that the male membership in 1920 was 606,620, and female membership 77,830, representing percentages on the total membership of 58.6 and 11.4 respectively. Of the 77,830 female members of trade unions in 1920, 25,410, or 32.7 per cent., are included in Group IV. (Clothing, Hats, Boots, etc.), 19,822, or 25.6 per cent., in Groups III. (Food, Drink, etc.), and XIII. (Domestic, Hotels, etc.), and 24,804, or 31.9 per cent., in Group XIV. (Miscellaneous).

(ii.) *Percentage of Male and Female Members of Trade Unions in the Commonwealth, 1912 to 1920.* The following table shews separately for males and females for the Commonwealth (a) the number of members of trade unions, (b) the estimated total number of employees of each sex, 20 years and over, in all professions, trades and occupations, and (c) the percentage of the former (a) on the latter (b).

**Percentage of Male and Female Members of Trade Unions on Estimated Total Number of Male and Female Employees, 20 years of Age and over, in all Professions, Trades, and Occupations in the Commonwealth, 1912 to 1920.**

| Particulars.   | 1912.   | 1914.   | 1915.   | 1916.   | 1917.   | 1918.   | 1919.     | 1920.     |
|--|---------|---------|---------|---------|---------|---------|-----------|-----------|
| <b>MALES.</b>  |         |         |         |         |         |         |           |           |
| No. of Members of Unions   | 415,554 | 500,686 | 499,160 | 506,981 | 518,582 | 531,090 | 564,262   | 606,620   |
| Estimated Total No. of Employees<br>20 yrs. of age & over                | 944,599 | 978,720 | 957,110 | 920,686 | 927,470 | 948,239 | 1,017,147 | 1,034,853 |
| Percentage of Members on<br>Estimated Total Number<br>of Employees .. .. | 44.0    | 51.2    | 52.2    | 55.0    | 55.9    | 56.0    | 55.5      | 58.6      |
| <b>FEMALES.</b>  |         |         |         |         |         |         |           |           |
| No. of Members of Unions   | 17,670  | 22,585  | 28,871  | 39,575  | 45,605  | 50,665  | 63,423    | 77,830    |
| Estimated Total No. of Employees<br>20 yrs. of age & over                | 210,213 | 221,485 | 225,588 | 229,118 | 232,856 | 238,301 | 240,807   | 245,596   |
| Percentage of Members on<br>Estimated Total Number<br>of Employees .. .. | 8.4     | 10.2    | 12.8    | 17.2    | 19.6    | 21.3    | 26.3      | 31.7      |

For particulars relating to year 1913, see Labour Report No 10.

6. **Classification of Trade Unions in Commonwealth according to Number of Members, 1912 to 1920.**—The following table shews the number and membership of all trade unions in the Commonwealth for the years 1912 to 1920 inclusive, classified according to size. In this table inter-State unions are, of course, only counted once :—

**Classification of Trade Unions in Commonwealth according to Number of Members at end of Years 1912 to 1920.**

| Classification.   | 10,000 and over. | 5000 and under 10,000. | 2000 and under 5000. | 1000 and under 2000. | 500 and under 1000. | 300 and under 500. | 200 and under 300. | 100 and under 200. | 50 and under 100. | Under 50. | Total. |
|-------------------|------------------|------------------------|----------------------|----------------------|---------------------|--------------------|--------------------|--------------------|-------------------|-----------|--------|
| NUMBER OF UNIONS. |                  |                        |                      |                      |                     |                    |                    |                    |                   |           |        |
| 1912 ..           | 7                | 15                     | 26                   | 43                   | 32                  | 32                 | 39                 | 67                 | 72                | 75        | 408    |
| 1913 ..           | 9                | 17                     | 26                   | 35                   | 45                  | 47                 | 26                 | 81                 | 84                | 62        | 432    |
| 1914 ..           | 8                | 17                     | 29                   | 39                   | 52                  | 45                 | 32                 | 72                 | 67                | 69        | 430    |
| 1915 ..           | 9                | 16                     | 30                   | 41                   | 44                  | 35                 | 34                 | 69                 | 63                | 74        | 415    |
| 1916 ..           | 11               | 16                     | 35                   | 33                   | 47                  | 43                 | 25                 | 53                 | 59                | 70        | 392    |
| 1917 ..           | 9                | 19                     | 27                   | 36                   | 48                  | 44                 | 28                 | 48                 | 63                | 67        | 389    |
| 1918 ..           | 11               | 15                     | 33                   | 39                   | 51                  | 38                 | 19                 | 66                 | 65                | 57        | 394    |
| 1919 ..           | 13               | 13                     | 34                   | 44                   | 52                  | 31                 | 32                 | 62                 | 62                | 51        | 394    |
| 1920 ..           | 14               | 13                     | 41                   | 43                   | 57                  | 29                 | 27                 | 60                 | 54                | 50        | 388    |

**MEMBERSHIP.**

|         |         |         |         |        |        |        |       |        |       |       |         |
|---------|---------|---------|---------|--------|--------|--------|-------|--------|-------|-------|---------|
| 1912 .. | 132,335 | 99,718  | 79,614  | 60,558 | 22,585 | 12,234 | 9,483 | 9,323  | 5,106 | 2,268 | 433,224 |
| 1913 .. | 176,188 | 121,710 | 75,357  | 48,938 | 32,154 | 17,994 | 6,406 | 11,326 | 5,914 | 1,938 | 497,925 |
| 1914 .. | 176,157 | 125,021 | 84,359  | 59,350 | 37,141 | 16,439 | 7,898 | 10,141 | 4,572 | 2,193 | 523,271 |
| 1915 .. | 186,755 | 122,009 | 89,295  | 61,264 | 30,651 | 13,405 | 8,308 | 9,408  | 4,537 | 2,399 | 528,031 |
| 1916 .. | 219,990 | 113,587 | 95,143  | 49,170 | 32,429 | 16,657 | 6,003 | 7,091  | 4,326 | 2,160 | 546,556 |
| 1917 .. | 217,002 | 144,198 | 78,019  | 52,258 | 34,944 | 17,433 | 7,032 | 6,742  | 4,550 | 2,009 | 564,187 |
| 1918 .. | 259,824 | 103,152 | 91,656  | 54,119 | 37,784 | 14,840 | 4,599 | 9,502  | 4,623 | 1,656 | 581,755 |
| 1919 .. | 292,406 | 95,400  | 104,547 | 64,145 | 37,083 | 12,148 | 7,624 | 8,392  | 4,430 | 1,510 | 627,685 |
| 1920 .. | 314,437 | 101,801 | 136,587 | 60,324 | 40,464 | 10,751 | 6,451 | 8,391  | 3,763 | 1,481 | 684,450 |

**PERCENTAGE OF TOTAL MEMBERSHIP.**

|         |      |      |      |      |     |     |     |     |     |     |       |
|---------|------|------|------|------|-----|-----|-----|-----|-----|-----|-------|
| 1912 .. | 30.5 | 23.0 | 18.4 | 14.0 | 5.2 | 2.8 | 2.2 | 2.2 | 1.2 | 0.5 | 100.0 |
| 1913 .. | 35.4 | 24.4 | 15.1 | 9.8  | 6.5 | 3.6 | 1.3 | 2.3 | 1.2 | 0.4 | 100.0 |
| 1914 .. | 33.6 | 23.9 | 16.1 | 11.4 | 7.1 | 3.2 | 1.5 | 1.9 | 0.9 | 0.4 | 100.0 |
| 1915 .. | 35.3 | 23.1 | 16.9 | 11.6 | 5.8 | 2.5 | 1.6 | 1.8 | 0.9 | 0.5 | 100.0 |
| 1916 .. | 40.3 | 20.8 | 17.4 | 9.0  | 5.9 | 3.0 | 1.1 | 1.3 | 0.8 | 0.4 | 100.0 |
| 1917 .. | 38.5 | 25.6 | 13.8 | 9.3  | 6.2 | 3.1 | 1.2 | 1.1 | 0.8 | 0.4 | 100.0 |
| 1918 .. | 44.7 | 17.7 | 15.8 | 9.3  | 6.5 | 2.5 | 0.8 | 1.6 | 0.8 | 0.3 | 100.0 |
| 1919 .. | 46.6 | 15.2 | 16.7 | 10.2 | 5.9 | 1.9 | 1.2 | 1.3 | 0.7 | 0.3 | 100.0 |
| 1920 .. | 45.9 | 14.9 | 20.0 | 8.8  | 5.9 | 1.6 | 0.9 | 1.2 | 0.6 | 0.2 | 100.0 |

In the last part of the preceding table the percentage which the membership in each group bears to the total membership of all groups is given for the years 1912 to 1920. In all the years from 1912 onwards more than half the membership of the unions was included in organisations having more than 5000 members. The tendency towards closer organisation is evidenced by the fact that though membership of trade unions has increased since 1912 by 58.0 per cent., the number and membership of unions having less than 2000 members have considerably decreased.

7. **Number and Membership of Interstate or Federated Trade Unions in Commonwealth at end of Years, 1912 to 1920.**—The following table gives particulars of inter-State or federated trade unions having branches in two or more States. The figures given include inter-State unions registered under the Commonwealth Conciliation and Arbitration Act, as well as federated unions which are not so registered :—

**Number and Membership of Interstate or Federated Trade Unions in Commonwealth  
at the end of Years 1912 to 1920.**

| PARTICULARS.            | UNIONS OPERATING IN— |           |           |           |            | TOTAL.  |
|-------------------------|----------------------|-----------|-----------|-----------|------------|---------|
|                         | 2 States.            | 3 States. | 4 States. | 5 States. | *6 States. |         |
| Number of Unions, 1912  | 20                   | 11        | 17        | 14        | 10         | 72      |
| " " 1913                | 16                   | 11        | 16        | 18        | 17         | 78      |
| " " 1914                | 18                   | 9         | 14        | 16        | 22         | 79      |
| " " 1915                | 17                   | 11        | 14        | 16        | 23         | 81      |
| " " 1916                | 15                   | 11        | 12        | 18        | 25         | 81      |
| " " 1917                | 18                   | 11        | 18        | 14        | 33         | 94      |
| " " 1918                | 14                   | 17        | 13        | 18        | 33         | 95      |
| " " 1919                | 16                   | 14        | 12        | 17        | 36         | 95      |
| " " 1920                | 15                   | 14        | 14        | 16        | 40         | 99      |
| Number of Members, 1912 | 31,358               | 18,147    | 55,517    | 43,548    | 131,201    | 279,771 |
| " " 1913                | 31,063               | 13,389    | 73,186    | 54,202    | 180,597    | 352,437 |
| " " 1914                | 26,423               | 7,853     | 64,040    | 67,427    | 190,084    | 355,827 |
| " " 1915                | 21,709               | 10,425    | 73,760    | 76,633    | 197,310    | 379,837 |
| " " 1916                | 18,185               | 12,739    | 56,717    | 101,848   | 222,794    | 412,283 |
| " " 1917                | 18,286               | 15,640    | 76,981    | 90,068    | 252,319    | 456,303 |
| " " 1918                | 14,709               | 35,885    | 58,376    | 95,042    | 265,135    | 469,147 |
| " " 1919                | 19,323               | 43,643    | 51,882    | 106,430   | 276,652    | 497,930 |
| " " 1920                | 19,494               | 52,556    | 53,448    | 123,258   | 294,622    | 543,378 |

\* Certain unions in this group have, in addition to branches in each of the six States, a branch in the Northern Territory.

The development of trade union organisation of an inter-State character is reflected in the figures given in the above table. The number of organisations operating in two or more States has increased from 72 in 1912 to 99 in 1920, and the percentage of the membership of such organisations on the total membership of all organisations has increased from 64.6 per cent. to 79.4 per cent. during the same period.

**8. Central Labour Organisations.**—In each of the metropolitan towns, as well as in a number of other industrial centres, delegate organisations, consisting of representatives from a group of trade unions, have been established. Their revenue is raised by means of a per capita tax on the members of each affiliated union. In most of the towns where such central organisations exist, the majority of the local unions are affiliated with the central organisation, which is usually known as the Labour or Trades Hall Council, or the Labour Federation. In Western Australia a unified system of organisation extends over the industrial centres throughout the State, and there is a provincial branch of the Australian Labour Party, having a central council and executive, and metropolitan and branch district councils, to which the local bodies are affiliated. The central council, on which all district councils are represented, meets periodically. In the other States, however, the organisation is not so close, and though provision usually exists in the rules of the central council at the capital town of each State for the organisation of district councils, or for the representation on the central council of the local councils in the smaller industrial centres of the State, the councils in each State are, as a matter of fact, independent bodies. The table shews the number of metropolitan and district or local labour councils, together with the number of unions and branches of unions affiliated therewith, in each State at the end of the years 1914 to 1920.



**Central Labour Organisations—Number and Unions Affiliated at the end of the Years 1914 to 1920.**

| Particulars.                               | N.S.W. | Vic. | Q'land. | S.A. | W.A. | Tas. | C'with. |
|--|--------|------|---------|------|------|------|---------|
| No. of Councils ..                         | 1914   | 4    | 5       | 1    | 4    | 7    | 26      |
|  | 1915   | 3    | 5       | 1    | 4    | 10   | 24      |
|  | 1916   | 4    | 5       | 4    | 4    | 10   | 28      |
|  | 1917   | 4    | 5       | 2    | 4    | 11   | 27      |
|  | 1918   | 4    | 5       | 5    | 3    | 10   | 28      |
|  | 1919   | 3    | 5       | 4    | 3    | 10   | 26      |
|  | 1920   | 3    | 5       | 4    | 3    | 10   | 26      |
| No. of Unions and Branch Unions Affiliated | 1914   | 164  | 196     | 18   | 84   | 182  | 668     |
|  | 1915   | 150  | 198     | 26   | 89   | 183  | 668     |
|  | 1916   | 169  | 205     | 67   | 90   | 181  | 732     |
|  | 1917   | 163  | 192     | 46   | 82   | 171  | 672     |
|  | 1918   | 143  | 188     | 58   | 80   | 159  | 646     |
|  | 1919   | 127  | 175     | 50   | 76   | 168  | 615     |
|  | 1920   | 144  | 183     | 50   | 67   | 181  | 652     |

The figures given in the above table as to number of unions do not necessarily represent separate unions, since the branches of a large union may be affiliated to the local trades councils in the several towns in which they are represented.

Between the trade union and the central organisation of unions may be classed certain State or district councils, organised on trade lines and composed of delegates from separate unions, the interests of the members of which are closely connected by reason of the occupations of their members, such, for example, as delegate councils of bakers, bread carters and mill employees, or of unions connected directly or indirectly with the iron, steel or brass trades, or with the building trades.

**9. Particulars of Unions Registered under Commonwealth Conciliation and Arbitration Act, classified according to Industrial Groups, at end of Year, 1920.**—Under Part V. of the Commonwealth Conciliation and Arbitration Act any association of not less than 100 employees in any industry may be registered.\* The following table gives particulars of registered unions at the end of the year 1920. Registered unions include both inter-State associations and associations operating within one State only.

**Particulars of Unions Registered under Commonwealth Conciliation and Arbitration Act, classified according to Industrial Groups, at end of Year 1920.**

| Industrial Group.                     | No. of Unions. | Mem-ber-ship. | Industrial Group.                    | No. of Unions. | Mem-ber-ship. |
|---------------------------------------|----------------|---------------|--------------------------------------|----------------|---------------|
| I. Wood, Furniture, etc. ..           | 3              | 21,416        | IX. Railway & Tramway Services       | 4              | 55,222        |
| II. Engineering, Metal Works, etc. .. | 14             | 48,806        | X. Other Land Transport              | 4              | 10,340        |
| III. Food, Drink, Tobacco, etc. ..    | 11             | 33,216        | XI. Shipping, etc. ..                | 9              | 37,072        |
| IV. Clothing, Hats, Boots, etc. ..    | 4              | 38,546        | XII. Pastoral, Agricultural, etc. .. | 1              | †             |
| V. Books, Printing, etc. ..           | 3              | 8,241         | XIII. Domestic, Hotels, etc. ..      | 3              | 10,964        |
| VI. Other Manufacturing               | 19             | 34,899        | XIV. Miscellaneous                   | 40             | 216,233       |
| VII. Building ..                      | 6              | 34,330        |                                      |                |               |
| VIII. Mining, Quarries, etc. ..       | 1              | †             | TOTAL .. ..                          | 122            | 549,285       |

\* Under the Arbitration (Public Service) Act an association of less than 100 employees may be registered as an organisation, provided its members comprise at least three-fifths of all persons engaged in that industry in the service. † Not available for publication separately, included in Group XIV.

The figures given in the above table regarding unions registered under the Commonwealth Act are not comparable with those given in the table in paragraph 7 hereof regarding all inter-State and federated unions. A few federated unions included in the table in paragraph 7 are not registered under the Commonwealth Act, while, on the other hand, a number of purely State organisations registered under the Act are, of course, not included in the table in paragraph 7.



### SECTION III.—FLUCTUATIONS IN EMPLOYMENT AND UNEMPLOYMENT.

1. **General.**—In Section IX. of this Report, the method of index-numbers is applied to trace variations in rates of wages in the Commonwealth since 1891, while in Sections IV., V., VI. and VII. variations in retail prices and purchasing-power of money, and in wholesale and import and export prices are shewn by a similar method. In order to elucidate further the progress of events, it is desirable to supplement that information, so far as practicable, by furnishing index-numbers which disclose the fluctuations in employment and unemployment.

Employment index-numbers serve not only to throw light upon the figures shewing the course of wages, prices, and purchasing-power of money, inasmuch as they indicate the relative loss of time through lack of employment, but also to furnish a useful measure of the fluctuations of industrial activity regarded as a whole. In this connection, it may be said that while export statistics relate only to the margin of national production which is sent overseas, statistics of employment measure, on the other hand, the relative activity or depression of the whole of the industries to which they relate, including, that is, production for the home market as well as for export.

The particulars shewn in the following tables are based upon information furnished by the secretaries of trade unions in the several States of the Commonwealth. The best thanks of the Bureau are tendered to the officials who are regularly furnishing the desired particulars. It will be seen from the tables that the membership of unions regularly reporting has exceeded 300,000 since 1918. Unemployment particulars are not collected from those unions whose members have permanency of employment, such as railway and tramway employees, and public servants, or from unions whose members are casually employed (wharf labourers, etc.). Very few of the unions pay unemployment benefit, but the majority of the larger organisations have permanent secretaries and organisers who are closely in touch with the members and with the state of trade within their particular industries. In many cases unemployment registers are kept, and provision is also made in the rules for members out of work to pay reduced subscriptions. Taking these facts, and also the large membership of the numerous unions from which regular quarterly returns are being received, into consideration, it will be realized that percentage unemployment results based on trade union information may be taken to shew the general trend of unemployment existing in the several States. The tables do not furnish a complete register of unemployment, but for the purpose of making comparisons and shewing tendencies over a period of years, the percentages returned as unemployed, though not exact, are the most satisfactory available.

2. **Number Unemployed in Various Industries, Commonwealth, 1891 to 1920.**—The following table shews for the end of each year, 1891 to 1912, and for each quarterly period of the years 1913 to 1920, the particulars specified hereunder:—

- (a) The number of unions for which returns as to unemployment are available.  
 (b) The number of members of such unions.  
 (c) The number of members unemployed, and  
 (d) The percentage of the number of members unemployed (c) on the total membership (b).

**Unemployment.—Commonwealth.—Number of Unions and Members Reporting, and Number and Percentage Unemployed, 1891 to 1920 (4th Quarter).**

| PARTICULARS.       | Unions. | Membership. | UNEMPLOYED. |             |
|--------------------|---------|-------------|-------------|-------------|
|                    |         |             | Number.     | Percentage. |
| 1891 .. .. .       | 25      | 6,445       | 599         | 9.3         |
| 1896 .. .. .       | 25      | 4,227       | 457         | 10.8        |
| 1901 .. .. .       | 39      | 8,710       | 574         | 6.6         |
| 1906 .. .. .       | 47      | 11,299      | 753         | 6.7         |
| 1907 .. .. .       | 51      | 13,179      | 757         | 5.7         |
| 1908 .. .. .       | 68      | 18,685      | 1,117       | 6.0         |
| 1909 .. .. .       | 84      | 21,122      | 1,223       | 5.8         |
| 1910 .. .. .       | 109     | 32,995      | 1,857       | 5.6         |
| 1911 .. .. .       | 160     | 67,961      | 3,171       | 4.7         |
| 1912 .. .. .       | 464     | 224,023     | 12,441      | 5.6         |
| 1913, 1st Quarter* | 451     | 237,216     | 15,234      | 6.4         |
| 2nd " " "          | 458     | 243,523     | 17,854      | 7.3         |
| 3rd " " "          | 472     | 252,325     | 17,698      | 7.0         |
| 4th " " "          | 465     | 251,207     | 13,430      | 5.3         |
| 1914, 1st " " "    | 462     | 262,133     | 15,541      | 5.9         |
| 2nd " " "          | 467     | 279,318     | 15,856      | 5.7         |
| 3rd " " "          | 466     | 283,584     | 30,367      | 10.7        |
| 4th " " "          | 439     | 250,716     | 27,610      | 11.0        |
| 1915, 1st " " "    | 476     | 279,388     | 33,465      | 12.0        |
| 2nd " " "          | 456     | 273,190     | 26,015      | 9.5         |
| 3rd " " "          | 484     | 279,133     | 24,682      | 8.8         |
| 4th " " "          | 465     | 273,149     | 18,489      | 6.8         |
| 1916, 1st " " "    | 475     | 291,525     | 17,178      | 5.9         |
| 2nd " " "          | 476     | 298,675     | 15,741      | 5.3         |
| 3rd " " "          | 472     | 278,047     | 14,649      | 5.3         |
| 4th " " "          | 470     | 292,051     | 19,562      | 6.7         |
| 1917, 1st " " "    | 455     | 290,849     | 21,892      | 7.5         |
| 2nd " " "          | 453     | 303,507     | 19,257      | 6.3         |
| 3rd " " "          | 432     | 255,949     | 18,197      | 7.1         |
| 4th " " "          | 459     | 296,937     | 21,989      | 7.4         |
| 1918, 1st " " "    | 466     | 290,048     | 16,089      | 5.5         |
| 2nd " " "          | 478     | 294,725     | 18,385      | 6.2         |
| 3rd " " "          | 494     | 305,550     | 18,752      | 6.1         |
| 4th " " "          | 475     | 308,850     | 16,919      | 5.5         |
| 1919, 1st " " "    | 477     | 311,410     | 20,359      | 6.5         |
| 2nd " " "          | 462     | 303,468     | 25,768      | 8.5         |
| 3rd " " "          | 457     | 308,287     | 19,262      | 6.2         |
| 4th " " "          | 459     | 317,413     | 16,637      | 5.2         |
| 1920 1st " " "     | 461     | 329,127     | 18,396      | 5.6         |
| 2nd " " "          | 449     | 343,144     | 21,186      | 6.2         |
| 3rd " " "          | 426     | 344,582     | 21,375      | 6.2         |
| 4th " " "          | 450     | 351,013     | 27,463      | 7.8         |

\* For years prior to 1913 the figures refer to the end of the year only, and not to separate quarters. The quarterly figures shew the number of persons who were out of work for three days or more during a specified week in each quarter; they do not include persons out of work through strikes or lock-outs.

### 3. Employment Index-Numbers, Commonwealth, 1891 to 1920.—

For greater convenience of examination and comparison with other statistical data, the percentages of unemployed has been subtracted from 100, so as to shew the percentage of members *not returned as unemployed*, and the results computed in the form of index-numbers with the year 1911 as base (= 1000).

**Percentage of Members of Trade Unions not Returned as Unemployed, and  
Employment Index-Numbers for the years specified from 1891 to 1920.**

| Particulars.                                 | 1891. | 1901. | 1908. | 1911. | 1912. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Percentage <i>not</i> returned as Unemployed | 90.7  | 93.4  | 94.0  | 95.3  | 94.4  | 94.7  | 89.0  | 93.2  | 93.3  | 92.6  | 94.5  | 94.8  | 92.2  |
| Employment Index-No., 1911=1000              | 952   | 980   | 986   | 1,000 | 991   | 994   | 934   | 978   | 979   | 972   | 992   | 995   | 967   |

As the year 1913 was the first for which returns were collected each quarter, no comparisons can be made with previous years as to average unemployment or seasonal variations from year to year. The percentages for years prior to 1913 refer to the end of the year only, so that any comparisons made for the period, 1913 to 1920, with years prior to 1913, must necessarily be between the percentages for the last quarters of the years, 1913 to 1920, and not the average percentage for these years.

The figures given in the first line of the above table indicate the percentage of full time worked on the average in each year, on the assumption that the unemployment returns for the end of the year are representative of the state of unemployment throughout the year. The figures in the second line shew (on the same assumption) the relative state of employment in each year, compared with the year 1911, the state of employment being measured, of course, by the percentage of full time worked.

**4. Unemployment in Different Industries, Commonwealth, 1919 and 1920.**—The results of the quarterly investigations as to unemployment in the years 1913 to 1920 have been published in Labour Bulletins Nos. 1 to 18, and in the Quarterly Summary of Statistics, Nos. 70 to 83. The following table shews for various industrial groups the percentages of members of trade unions returned as unemployed during each of the four quarters of 1919 and 1920. The percentage of unemployed at the end of 1912 is also given. The figures do not include persons out of work through strikes or lockouts.

**Percentage of Unemployment\* in Different Industries in the Commonwealth  
at the end of 1912 and Quarterly for 1919 and 1920.†**

| INDUSTRIAL GROUP.   | 1912.<br>End<br>of<br>Year. | 1919.                                |  |                                       |                                      | 1920.                                |  |                                       |                                      |
|---|-----------------------------|--------------------------------------|--|---------------------------------------|--------------------------------------|--------------------------------------|--|---------------------------------------|--------------------------------------|
|   |                             | 1st<br>quar.<br>(Jan.<br>to<br>Mar.) | 2nd<br>quar.<br>(April<br>to<br>June.) | 3rd<br>quar.<br>(July<br>to<br>Sept.) | 4th<br>quar.<br>(Oct.<br>to<br>Dec.) | 1st<br>quar.<br>(Jan.<br>to<br>Mar.) | 2nd<br>quar.<br>(April<br>to<br>June.) | 3rd<br>quar.<br>(July<br>to<br>Sept.) | 4th<br>quar.<br>(Oct.<br>to<br>Dec.) |
| I. Wood Furniture, etc. ..                                    | 3.7                         | 4.4                                  | 4.3                                    | 5.0                                   | 6.1                                  | 3.5                                  | 3.2                                    | 2.9                                   | 4.4                                  |
| II. Engineering, Metal Works, etc.                            | 7.4                         | 6.5                                  | 7.6                                    | 5.4                                   | 5.6                                  | 5.3                                  | 5.7                                    | 3.6                                   | 4.3                                  |
| III. Food, Drink, Tobacco, etc.                               | 7.3                         | 6.7                                  | 13.1                                   | 6.9                                   | 10.8                                 | 8.5                                  | 11.2                                   | 17.0                                  | 20.2                                 |
| IV. Clothing, Hats, Boots, etc.                               | 6.3                         | 7.5                                  | 6.9                                    | 4.1                                   | 1.7                                  | 0.7                                  | 2.0                                    | 4.8                                   | 7.3                                  |
| V. Books, Printing, etc. ..                                   | 2.8                         | 4.0                                  | 5.9                                    | 2.7                                   | 3.8                                  | 1.6                                  | 1.6                                    | 2.0                                   | 2.6                                  |
| VI. Other Manufacturing ..                                    | 6.9                         | 5.0                                  | 8.5                                    | 8.0                                   | 3.3                                  | 5.1                                  | 4.7                                    | 6.4                                   | 10.0                                 |
| VII. Building ..  | 5.5                         | 3.5                                  | 3.6                                    | 4.1                                   | 2.8                                  | 4.7                                  | 2.8                                    | 2.6                                   | 2.1                                  |
| VIII. Mining, Quarries, etc. ..                               | 5.6                         | 6.0                                  | 9.6                                    | 10.2                                  | 6.3                                  | 8.0                                  | 5.3                                    | 3.5                                   | 6.0                                  |
| X. Other Land Transport ..                                    | 1.1                         | 2.2                                  | 3.0                                    | 3.3                                   | 2.6                                  | 3.0                                  | 2.8                                    | 3.3                                   | 3.6                                  |
| IX., XI., XII., XIII., and XIV.<br>Other and Miscellaneous .. | 5.4                         | 2.3                                  | 10.9                                   | 7.3                                   | 5.9                                  | 7.5                                  | 9.4                                    | 7.5                                   | 8.6                                  |
| TOTAL .. .. .   | 5.6                         | 6.5                                  | 8.5                                    | 6.2                                   | 5.2                                  | 5.6                                  | 6.2                                    | 6.2                                   | 7.8                                  |

\* Not including persons out of work through strikes or lockouts.

† Figures for 1918 were given in Labour Report No. 10.

5. **Unemployment in each State, 1919 and 1920.**—The following table shews for each State the percentage of members of trade unions returned as unemployed during each quarter of 1919 and 1920. The percentage unemployed at the end of 1912 is also given. In making any deductions from or drawing any comparisons between the results shewn in the following table, it must be borne in mind that the classes of industry in the several States for which data are obtained are not quite identical.

**Percentage of Unemployment\* in each State at the end of Year 1912 and Quarterly  
for 1919 and 1920.†**

| STATE.                    | 1912.<br>end<br>of<br>Year. | 1919.                                |  |                                       |                                      | 1920.                                |  |                                       |                                      |
|---------------------------|-----------------------------|--------------------------------------|--|---------------------------------------|--------------------------------------|--------------------------------------|--|---------------------------------------|--------------------------------------|
|                           |                             | 1st<br>quar.<br>(Jan.<br>to<br>Mar.) | 2nd<br>quar.<br>(April<br>to<br>June.) | 3rd<br>quar.<br>(July<br>to<br>Sept.) | 4th<br>quar.<br>(Oct.<br>to<br>Dec.) | 1st<br>quar.<br>(Jan.<br>to<br>Mar.) | 2nd<br>quar.<br>(April<br>to<br>June.) | 3rd<br>quar.<br>(July<br>to<br>Sept.) | 4th<br>quar.<br>(Oct.<br>to<br>Dec.) |
| New South Wales .. .. .   | 5.0                         | 5.6                                  | 8.4                                    | 5.6                                   | 5.0                                  | 5.5                                  | 5.5                                    | 5.2                                   | 6.9                                  |
| Victoria .. .. .          | 6.7                         | 6.0                                  | 7.2                                    | 5.2                                   | 4.3                                  | 4.5                                  | 5.6                                    | 5.3                                   | 7.3                                  |
| Queensland .. .. .        | 4.6                         | 12.4                                 | 14.2                                   | 9.3                                   | 8.5                                  | 10.5                                 | 13.0                                   | 13.4                                  | 16.3                                 |
| South Australia .. .. .   | 5.1                         | 3.5                                  | 6.4                                    | 6.7                                   | 4.2                                  | 4.4                                  | 4.1                                    | 5.9                                   | 5.1                                  |
| Western Australia .. .. . | 5.8                         | 5.7                                  | 5.4                                    | 6.8                                   | 6.5                                  | 3.7                                  | 3.4                                    | 3.2                                   | 4.8                                  |
| Tasmania .. .. .          | 3.4                         | 4.0                                  | 3.3                                    | 9.9                                   | 3.6                                  | 3.6                                  | 2.4                                    | 3.1                                   | 3.0                                  |
| COMMONWEALTH .. .. .      | 5.6                         | 6.5                                  | 8.5                                    | 6.2                                   | 5.2                                  | 5.6                                  | 6.2                                    | 6.2                                   | 7.8                                  |

\* Not including persons out of work through strikes or lockouts.

† Figures for 1918, were given in Labour Report No. 10.

6. **Causes of Unemployment, Commonwealth, 1917, 1918, 1919, and 1920.**—The following table gives, for the Commonwealth, the membership of the unions reporting, and the number and percentage of those unemployed under three main heads for the four quarters of 1917, 1918, 1919 and 1920 :—

**Unemployment in the Commonwealth according to Causes, in each Quarter of  
1917, 1918, 1919 and 1920.\***

| Particulars.                          | No. of<br>Members of<br>Unions<br>report-<br>ing. | Number and Percentage Unemployed through— |     |                           |     |               |     |        |     |
|---------------------------------------|---|---|-----|---------------------------|-----|---------------|-----|--------|-----|
|                                       |   | Lack of<br>Work.                          |     | Sickness and<br>Accident. |     | Other Causes. |     | Total. |     |
|                                       |   | No.                                       | %   | No.                       | %   | No.           | %   | No.    | %   |
| 1917.                                 |   |   |     |                           |     |               |     |        |     |
| 1st quarter (Jan. to March) .. ..     | 286,594   | 19,378                                    | 6.8 | 1,805                     | 0.6 | 471           | 0.2 | 21,654 | 7.6 |
| 2nd quarter (April to June) .. ..     | 297,295   | 15,786                                    | 5.3 | 2,312                     | 0.8 | 626           | 0.2 | 18,724 | 6.3 |
| 3rd quarter (July to September) .. .. | 234,836   | 14,443                                    | 6.1 | 1,665                     | 0.7 | 429           | 0.2 | 16,537 | 7.0 |
| 4th quarter (Oct. to December) .. ..  | 283,799   | 17,791                                    | 6.3 | 2,214                     | 0.8 | 822           | 0.3 | 20,827 | 7.4 |
| 1918.                                 |   |   |     |                           |     |               |     |        |     |
| 1st quarter (Jan. to March) .. ..     | 272,594   | 11,372                                    | 4.2 | 1,999                     | 0.7 | 597           | 0.2 | 13,968 | 5.1 |
| 2nd quarter (April to June) .. ..     | 272,962   | 11,839                                    | 4.3 | 2,143                     | 0.8 | 587           | 0.2 | 14,569 | 5.3 |
| 3rd quarter (July to September) .. .. | 291,942   | 14,559                                    | 5.0 | 2,901                     | 1.0 | 747           | 0.2 | 18,207 | 6.2 |
| 4th quarter (Oct. to December) .. ..  | 303,528   | 12,871                                    | 4.2 | 2,889                     | 1.0 | 886           | 0.3 | 16,646 | 5.5 |
| 1919.                                 |   |   |     |                           |     |               |     |        |     |
| 1st quarter (Jan. to March) .. ..     | 302,727   | 14,167                                    | 4.7 | 4,771                     | 1.6 | 839           | 0.2 | 19,777 | 6.5 |
| 2nd quarter (April to June) .. ..     | 302,299   | 15,917                                    | 5.3 | 7,702                     | 2.5 | 2,039         | 0.7 | 25,658 | 8.5 |
| 3rd quarter (July to September) .. .. | 284,317   | 11,777                                    | 4.1 | 4,154                     | 1.5 | 850           | 0.3 | 16,781 | 5.9 |
| 4th quarter (Oct. to December) .. ..  | 292,420   | 11,423                                    | 3.9 | 2,535                     | 0.9 | 966           | 0.3 | 14,924 | 5.1 |
| 1920.                                 |   |   |     |                           |     |               |     |        |     |
| 1st quarter (Jan. to March) .. ..     | 317,549   | 14,394                                    | 4.5 | 2,430                     | 0.8 | 656           | 0.2 | 17,480 | 5.5 |
| 2nd quarter (April to June) .. ..     | 323,974   | 15,169                                    | 4.7 | 2,383                     | 0.7 | 618           | 0.2 | 18,170 | 5.6 |
| 3rd quarter (July to September) .. .. | 313,693   | 14,135                                    | 4.5 | 2,430                     | 0.8 | 400           | 0.1 | 16,965 | 5.4 |
| 4th quarter (Oct. to December) .. ..  | 338,027   | 23,147                                    | 7.0 | 2,341                     | 0.7 | 790           | 0.2 | 26,278 | 7.9 |

\* For the corresponding figures for 1916, see Report No. 10, p. 22.

It will be observed from the above table that during the first, second and third quarters of the year 1919, the number of persons reported as unemployed owing to sickness was very high in comparison with previous quarters. The heavy loss of employment during these periods on account of sickness was due to the influenza epidemic.

## SECTION IV.—RETAIL PRICES, HOUSE RENT, AND PURCHASING-POWER OF MONEY.

1. **General.**—In normal circumstances properly computed index-numbers of food and groceries, and house-rent combined, form one of the best possible measures of those variations in the “purchasing-power of money” which affect the cost of living: in short, the variations of the cost of a “composite unit,” consisting of appropriate quantities of suitably chosen commodities, and including also house rent, reflect the variations in the cost of living. The main investigations carried out as to retail prices and purchasing-power of money are of a threefold nature and consist of:—

- (i.) Quarterly variations in the purchasing-power of money in thirty towns.
- (ii.) Annual variations in the purchasing-power of money in 150 towns.
- (iii.) Householders' Budget Inquiries.

It is principally with the first of these that this Section deals. In previous Reports of this Branch of the Bureau the results of comprehensive investigations into the subjects of Prices and Price-Indexes for past years were published, and an account was given of the methods used in the collection of the data and the computation of the results. A discussion of the theory upon which the calculation of the index-numbers is based was furnished in Appendixes to Report No. 1, issued in December, 1912. In Appendix I. to Report No. 9, an endeavour was made to set forth the essentials of the problem and of its solution, with sufficient illustration to enable anyone who, being qualified to form a competent opinion, will give the matter serious attention.

For the computations of the index-numbers the “aggregate expenditure” method is adopted, i.e., the average price for each commodity included is multiplied by its respective “mass unit.” The “mass-unit” represents the relative extent to which each commodity is used or consumed, and is regarded as constant over the period under review. By taking the aggregate expenditure for any one year as base, the index-number for the relative aggregate expenditure for any other year is readily calculated. Certain aspects of this method, not dealt with in previous Reports, are discussed on pages 19 and 20 of Labour Report No. 6.

In order to illustrate clearly the method adopted it will be well to take a simple numerical example. Suppose that in 1901 the average price of butter was 1s. 3d. per lb., of bread was 3d. per 2 lb. loaf, of mutton was 3d. per lb., and of milk was 4d. per quart; and suppose that in 1911 the prices of these four commodities were 1s. 6d. for butter, 4d. for bread, 5d. for mutton, and 5d. for milk. Now the total quantities of each of these commodities consumed in Australia per annum are approximately 90 million lb. of butter, 470 million 2-lb. loaves of bread, 330 million lb. of mutton, and 300 million quarts of milk. Therefore, the actual expenditure of the people of Australia on these commodities in 1901 and 1911 respectively would be as follows:—

**Computation of Index-Numbers : Illustrative Example of Aggregate Expenditure Method.**

| Particulars. | Unit.     | Quantities consumed.<br>(0,000,000 omitted.) | Prices. |       | Total Expenditure.         |                            |
|--------------|-----------|--|---------|-------|----------------------------|----------------------------|
|              |           |  | 1901.   | 1911. | 1901.                      | 1911.                      |
|              |           |  | d.      | d.    | d.<br>(0,000,000 omitted.) | d.<br>(0,000,000 omitted.) |
| Butter ..    | lb.       | 9  | 15      | 18    | 135                        | 162                        |
| Bread ..     | 2lb. loaf | 47   | 3       | 4     | 141                        | 188                        |
| Mutton ..    | lb.       | 33   | 3       | 5     | 99                         | 165                        |
| Milk ..      | quart     | 30   | 4       | 5     | 120                        | 150                        |
|              |           |  |         |       | 495                        | 665                        |

The relative aggregate expenditure was 495 in 1901, and rose to 665 in 1911; in other words, the index-number in 1901, taking the expenditure in 1911 as the base (= 1000) was  $\frac{495}{665} \times 1000 = 744$ , and the index-number in 1911, taking the expenditure in 1901 as the base (= 1000) was  $\frac{665}{495} \times 1000 = 1343$ , which might, of course, have been obtained directly by taking the reciprocal of the result previously obtained. If now, instead of only four commodities, a representative group of fifty or more were treated in this way for a series of years, the numbers thus obtained would furnish a satisfactory index of the variations in price from year to year.

**2. Changes in Cost of Commodities, Standard of Living, and Expenditure on Living.**—A change in the “Cost of Living” may occur either in the *standard of living* or in the *purchasing-power of money*, or in both; both affect the expenditure on living, which expenditure itself depends on three things, viz. :—

- (i.) The *particular commodities* consumed ;
- (ii.) The *relative quantities* of the commodities consumed ; and
- (iii.) The *price* of these commodities.

To avoid confusion as to the significance of the results given in this section, the conception of what is meant by “cost of living” ought to be clearly apprehended, for evidently a change in any *one* of the above may produce a change in the *expenditure* on living. In order to obtain index-numbers which are independent of (arbitrary) variations of (i) and (ii.) above, and which unequivocally reflect the variations caused by *price* alone, it is necessary that the particular series of commodities selected, and the relative quantities of these, remain constant. This phase of the subject is dealt with more fully in Labour Report No. 1, Appendix VIII. ; in Labour Report No. 5, pp. 17-18; in Labour Bulletin No. 9, pp. 27 to 46; in Labour Bulletin No. 14, pp. 127 to 130; and in Part II. of Appendix I. of Labour Report No. 9. In the places indicated it has been shewn that in order to avoid all confusion between “changes in the regimen” (i.e., change in the standard of living) which is at the disposal of the individual, and “changes in prices,” which are not at his disposal, it is necessary to adopt the “aggregate expenditure” method; that is, to ascertain the cost of a definite regimen or what may be called the cost of a definite “composite unit.” To be of the highest *general* value, the “composite unit” must be one applicable to the *whole* community. It has also been shewn that what has been called the method of “aggregate expenditures,”

i.e., the estimation of the cost of this composite unit, as the basis of the method, is, as said, the only unequivocal method, and technically is perfectly satisfactory, while any other method is technically less satisfactory, or introduces some change of regimen. Variations in quantity or in the items of the composite unit introduce ambiguity, for the resulting change in the price of the composite unit is partly due to change of the unit and partly due to change of the prices of its constituent items.

Notwithstanding the very explicit statement of the purpose and scope of these investigations given in the various Labour Reports, evidence is continually coming to hand that misunderstanding in regard thereto is still prevalent. Many persons, having noticed the obvious fact that a different regimen gives a very different aggregate cost, have imagined that deductions as to the "purchasing-power of money" vary enormously with change of regimen. This phase of the matter has been dealt with fully in previous publications of the Labour and Industrial Branch, and in particular in Labour Bulletin No. 14, pp. 127 to 130, published in October, 1916. It is there demonstrated, by basing the deductions upon various widely differing regimens, that the mode of investigating the purchasing-power of money adopted is not vitiated by employing a fixed regimen; on the contrary, it has reached a high degree of precision as compared with any alternative which has been suggested. Again, it should be observed that any proposed change of regimen must be freed from the effect of a change in the standard of living, otherwise the results are confused, that is, they embody two things, viz.: (a) change in price, and (b) change in standard of living. The conclusion therein arrived at may be repeated here, viz.: That once a standard of living, or living wage, has been fixed, the tables published by the Commonwealth Statistician can be legitimately used as shewing the variations in the cost of living. The only appropriate criticism which could be applicable would be that the regimen used as a basis for estimation has ceased to be representative of the usage of the community to such an extent that the calculations founded on it are misleading. If then, under these circumstances a change is made, certain safeguards are necessary which have been indicated in Labour Report No. 1, Appendixes VIII. and IX., and which have further been dealt with in Appendix I. of Labour Report No. 9.

**3. Commodities and Requirements Included.**—The 47 items of expenditure included are divided into four groups, viz., (i.) groceries and bread, (ii.) dairy produce, (iii.) meat, and (iv.) house-rent. These items cover about 60 per cent. of the total expenditure of a normal family. There are very cogent reasons for the restriction of the inquiry to the items mentioned. If the comparisons are to be satisfactory, confusion must not arise between changes in standard of living and changes arising from a variation of the purchasing-power of money. In order to avoid such confusion the items selected are such as are sensibly identical and identifiable in the various localities. The most important group of expenditure which is not included is clothing, the cost of which amounts to about 13 per cent. of the total expenditure.

Up to the present it has not been considered advisable to extend the investigations to cover clothing, fuel and light and other miscellaneous expenditure, and it has been assumed that the cost of these branches of



expenditure has varied proportionately with the cost of food, groceries and rent. Recently, however, as the result of a recommendation made by the Royal Commission on the Basic Wage, the Government has authorised the Bureau to extend its investigations to cover the whole of the ordinary expenditure of a household, and steps are being taken to give effect to the recommendation made. It is hoped at an early date to publish index-numbers shewing variations in clothing, fuel and light, and other principal items of miscellaneous expenditure.

It should be remembered, however, that the index-numbers computed for food, groceries and rent in the past can be accepted in general as a near approximation of the variation in the whole ordinary household expenditure. It is only in abnormal times that results based upon the cost of food, groceries and rent can be vitiated to any great extent.

The question of procedure in abnormal circumstances was sufficiently referred to in Report No. 6, pp. 20 to 22.

The following tabular statement gives particulars of the commodities and items included, the units of measurement for which prices are collected, and the mass-units shewing the relative extent to which each item is used or consumed.

**Retail Prices.—Table shewing Commodities, etc., included in Investigation, Units of Measurement, and "Mass-Units."**

| Commodity.                            | Unit.       | "Mass Unit." | Commodity.                     | Unit.    | "Mass Unit." |
|---------------------------------------|-------------|--------------|--------------------------------|----------|--------------|
| GROUP I.—GROCERIES (INCLUDING BREAD). |             |              | GROUP III.—MEAT.               |          |              |
| 1. Bread .. ..                        | 2 lb. loaf  | 468          | 26. Beef, sirloin .. ..        | lb.      | 67           |
| 2. Flour, ordinary ..                 | 25 lb. bags | 11           | 27. " rib .. ..                | "        | 82           |
| 3. Tea .. ..                          | lb.         | 30           | 28. " flank .. ..              | "        | 12           |
| 4. Coffee .. ..                       | "           | 2            | 29. " shin .. ..               | "        | 14           |
| 5. Sugar .. ..                        | "           | 460          | 30. " steak, rump .. ..        | "        | 24           |
| 6. Rice .. ..                         | "           | 50           | 31. " shoulder .. ..           | "        | 53           |
| 7. Sago .. ..                         | "           | 8            | 32. " stewing .. ..            | "        | 53           |
| 8. Jam .. ..                          | "           | 73           | 33. " corned round .. ..       | "        | 39           |
| 9. Oatmeal .. ..                      | "           | 35           | 34. " brisket, with bone .. .. | "        | 11           |
| 10. Raisins .. ..                     | "           | 14           | 35. " without bone .. ..       | "        | 32           |
| 11. Currants .. ..                    | "           | 14           | 36. Mutton, leg .. ..          | "        | 92           |
| 12. Starch .. ..                      | "           | 1            | 37. " shoulder .. ..           | "        | 62           |
| 13. Blue .. ..                        | doz. sqs.   | 1            | 38. " loin .. ..               | "        | 30           |
| 14. Candles .. ..                     | lb.         | 16           | 39. " neck .. ..               | "        | 40           |
| 15. Soap .. ..                        | "           | 64           | 40. " chops, loin .. ..        | "        | 62           |
| 16. Potatoes .. ..                    | 14 lbs.     | 64           | 41. " leg .. ..                | "        | 15           |
| 17. Onions .. ..                      | lb.         | 68           | 42. " neck .. ..               | "        | 31           |
| 18. Kerosene .. ..                    | gallon      | 17           | 43. Pork, leg .. ..            | "        | 9½           |
| GROUP II.—DAIRY PRODUCTS.             |             |              | 44. " loin .. ..               | "        | 8½           |
| 19. Milk .. ..                        | quart       | 300          | 45. " belly .. ..              | "        | 10½          |
| 20. Butter .. ..                      | lb.         | 95           | 46. " chops .. ..              | "        | 8½           |
| 21. Cheese .. ..                      | "           | 15           | GROUP IV.—HOUSE RENT.          |          |              |
| 22. Eggs .. ..                        | dozen       | 18           | 47. House Rent. .. ..          | per week | 46½          |
| 23. Bacon, middles ..                 | lb.         | 16           |                                |          |              |
| 24. " shoulder .. ..                  | "           | 16           |                                |          |              |
| 25. Ham .. ..                         | "           | 8            |                                |          |              |

It may here be pointed out that both in the collection of the data and computation of the results great care is exercised, and that there is reason to believe that the price-indexes are based upon more extensive data than any which have been obtained in similar investigations in other parts of the world.

In order to give some idea of the thorough manner in which the work has been performed, it may be mentioned that with regard to the 46 commodities and house rent included in this inquiry, nearly 11,000 prices and quotations are received and tabulated for the 30 towns dealt with each month. This amounts to 130,000 per annum. The complete scheme in regard to the determination of the price-indexes shewing the purchasing-power of money provides for the collection and analysis of over 150,000 separate prices and quotations each year, but owing to the difficulty in getting in all the returns regularly it was necessary to provide for a larger number of returns than was actually required.

When it is understood that this inquiry goes back for the capital towns as far as 1901, and the wholesale price inquiry (80 commodities) as far as 1871, some idea may be gathered as to the magnitude of the work involved. All the returns received are carefully examined, and in cases where the accuracy of any price or quotation is open to doubt, special inquiries are made from the person furnishing the quotation. Each return as received is compared with the previous return from the same dealer and with all other returns received for the same period. It is believed, therefore, that a high degree of accuracy is obtained in the investigations, and it is evident that personal impressions or results, not based upon an equally systematic and equally extensive inquiry, cannot be allowed weight.

#### 4. Other Investigations as to Price-Indexes and Cost of Living.—

While this report is concerned principally with variations in price-indexes on the lines indicated in the preceding paragraphs, it will not be out of place to refer briefly to other cognate investigations which have been carried out. These consist, as already indicated, of (i.) Annual Variations in the price index-numbers for 150 Towns, (ii.) the cost of living according to Householders' Budget Inquiries, (iii.) special inquiries as to the cost of food, groceries and house rent in various towns and localities in the several States, and (iv.) the investigation by the Royal Commission on the Basic Wage.

(i.) *Price-Indexes in 150 Towns.*—The investigation as to variation in price-indexes in 100 towns was carried out for the months of November 1913 and November 1914. For subsequent years the number of towns from which returns are collected annually has been increased from 100 to 150. The results of the November 1913 investigation were published in Labour Bulletin No. 5, pp. 26 to 33; of the November 1914 investigation in Labour Bulletin No. 8, pp. 231 to 240; of the November 1915 investigation in Labour Bulletin No. 12, pp. 352 to 361; of the November 1916 investigation in Labour Report No. 7, pp. 393 to 402; of the November 1917 investigation in Labour Report No. 8 pp. 47 to 57; of the November 1918 investigation in Labour Report No. 9, pp. 52 to 62; of the November 1919 in Labour Report No. 10, pp. 55 to 65; and of November 1920 in present issue, pp. 56 to 66. Prior to 1912 investigations were made concerning the price-indexes in the capital towns only, but during 1912 and subsequent years these investigations have been extended to 30 towns. On pages 65-6 hereinafter comparisons are made to test the accuracy with which the results obtained from these inquiries reflect the conditions obtaining throughout the States and Commonwealth. It will be seen on examination that the table reveals the fact that there is

but little variation in the results obtained from the different sources indicated. This approximation between the various results indicates that the index-numbers published for the capital towns only, for the years prior to 1912 and for the 30 towns for 1912 and subsequent years, probably reflect, with a substantial degree of accuracy, the variations in the purchasing-power of money, not only in each State separately, but also throughout the Commonwealth as a whole.

(ii.) *Householders' Budget Inquiries.*—The first of these was held in 1910-11, and covered a period of twelve months. The results of that investigation were published in December, 1911.\* A second was held during 1913 for the month of November only. The results of this second investigation are given in a special report, entitled "Labour Report, No. 4, Expenditure on Living in the Commonwealth, November, 1913." In September 1917 the Government of Western Australia appointed a Royal Commission of Inquiry into the cost of the necessities of life in that State. Under the authority of this Commission a budget inquiry was instituted, and steps were taken to obtain from householders, budgets shewing their weekly expenditure in detail. The Commonwealth Statistician (Mr. G. H. Knibbs) was requested to undertake the necessary analysis of the returns, and the budgets were accordingly forwarded by the Commission to this Bureau. The report, when completed, was forwarded to the Western Australian Government, and at the request of that Government was published in Labour Report No. 9, pp. 63-71.

(iii.) *Special Investigations as to the cost of Food, Groceries and House Rent in Towns and Localities not included in the 150 Towns Investigation.*—During 1919 and 1920 the question of the cost of living in certain country towns and districts in the several States, as compared with the cost in the towns ordinarily covered by the investigations of the Bureau, arose in connection with Arbitration Court proceedings. In order to furnish reliable information special inquiries as to the cost of food, groceries and house rent were made. Forms were issued direct from the Bureau to retailers and house agents situated in considerably over 100 towns and localities in New South Wales, Victoria, South Australia, Western Australia and Tasmania. From the data collected, index-numbers were computed, and the results were submitted to the tribunals concerned. The principal inquiry of this special nature during the period covered districts in which timber workers are mainly employed.

(iv.) *Investigation by the Royal Commission on the Basic Wage.*—In December 1919 the Commonwealth Government appointed a Commission consisting of three representatives of employers' organisations, and three representatives of the Federated Trade Unions, with an independent chairman, to enquire into—

1. The actual cost of living at the present time according to reasonable standards of comfort, including all matters comprised in the ordinary expenditure of a household, for a man with a wife and three children under fourteen years of age, and the several items and amounts which make up that cost.

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\* See Report on an "Inquiry into the Cost of Living in Australia, 1910-11," by G. H. Knibbs, C.M.G., etc., December, 1911. Owing to the small number of budgets returned, the deductions and tabulations based thereon are necessarily restricted.

2. The actual cost of living during each of the last five years.
3. How the basic wage may be automatically adjusted to the rise and fall from time to time of the purchasing-power of money.

This Commission issued two reports; the first in November 1920, and the second in April 1921.

The two reports read together shew that according to the standard fixed by the Commission the cost of living for the family postulated was at the 1st of November, 1920, as follows:—

| Particulars.  | Melbourne | Sydney. | Brisbane. | Adelaide. | Perth.  | Hobart. |
|---------------|-----------|---------|-----------|-----------|---------|---------|
|               | £ s. d.   | £ s. d. | £ s. d.   | £ s. d.   | £ s. d. | £ s. d. |
| Rent ..       | 1 0 6     | 1 2 0   | 0 17 0    | 0 19 6    | 0 19 0  | 0 19 0  |
| Food ..       | 2 6 2     | 2 6 9   | 2 3 1     | 2 7 2     | 2 4 11  | 2 8 11  |
| Clothing      | 1 9 0     | 1 7 0   | 1 6 0     | 1 8 3     | 1 7 9   | 1 9 2   |
| Miscellaneous | 1 0 10    | 1 1 4   | 1 0 1     | 1 1 2     | 1 2 3   | 0 19 10 |
|               | 5 16 6    | 5 17 1  | 5 6 2     | 5 16 1    | 5 13 11 | 5 16 11 |

The corresponding cost of the articles and services included (which are all fully set out in the first report) for the years 1914 to 1920 are as follows:—

| Years.  | Melbourne | Sydney. | Brisbane. | Adelaide. | Perth.  | Hobart. |
|---------|-----------|---------|-----------|-----------|---------|---------|
|         | £ s. d.   | £ s. d. | £ s. d.   | £ s. d.   | £ s. d. | £ s. d. |
| 1914 .. | 3 7 9     | 3 12 11 | 3 4 0     | 3 11 2    | 3 12 9  | 3 6 9   |
| 1915 .. | 3 16 9    | 4 1 6   | 3 11 3    | 3 19 0    | 3 17 1  | 3 15 1  |
| 1916 .. | 3 17 5    | 4 4 6   | 3 13 10   | 3 19 7    | 4 1 2   | 3 15 6  |
| 1917 .. | 4 2 2     | 4 9 8   | 3 19 3    | 4 3 2     | 4 4 2   | 4 4 10  |
| 1918 .. | 4 8 10    | 4 14 8  | 4 6 0     | 4 10 11   | 4 9 2   | 4 8 6   |
| 1919 .. | 4 18 5    | 5 5 3   | 4 15 10   | 5 2 6     | 5 0 9   | 5 0 4   |
| 1920 .. | 5 16 6    | 5 17 1  | 5 6 2     | 5 16 1    | 5 13 11 | 5 16 11 |

With regard to Clause 3 reference has already been made (see p. 26) to the recommendations of the Commission and the steps being taken to carry them out.

**5. Purchasing-Power of Money. General Results of Investigation in each Metropolitan Town, 1901 to 1920.**—Index-numbers, computed separately for each group of commodities (and for house-rent) included in the investigation, as well as the weighted average for all groups together, are shewn for the capital town of each State in the tables given hereinafter. In these tables the weighted aggregate expenditure for the whole of the capital towns in 1911 is taken as base (= 1,000), and the figures for that year (as well as other years) for the individual towns shew the relative purchasing-power of money as between the respective towns. The result is that the index-numbers given herein are comparable in all respects, that is to say, they shew not only the variations from year to year in each town, but they also furnish comparisons as to the relative cost in the different towns, either in any given year or as between one year and another and one town and another.

## Retail Price Index-Numbers\*\* in Metropolitan Towns, 1901 to 1920.†

It is, of course, obvious that the index-numbers given in the separate parts of the table cannot be compared with each other in order to shew the relative cost of (say) house-rent, and groceries and food, since the weighted average cost for the six towns taken together in 1911 in each case is made equal to 1000, although the cost is, of course, not the same.

| TOWN.               | 1901. | 1907. | 1910. | 1911. | 1912. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GROUP I.—GROCERIES. |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Sydney ..           | 876   | 904   | 1,028 | 1,018 | 1,151 | 1,106 | 1,112 | 1,281 | 1,329 | 1,320 | 1,393 | 1,710 | 2,130 |
| Melbourne ..        | 897   | 817   | 939   | 924   | 1,061 | 953   | 996   | 1,222 | 1,210 | 1,188 | 1,263 | 1,526 | 1,926 |
| Brisbane ..         | 1,011 | 969   | 1,054 | 1,087 | 1,195 | 1,110 | 1,076 | 1,331 | 1,315 | 1,323 | 1,406 | 1,795 | 2,155 |
| Adelaide ..         | 949   | 903   | 972   | 958   | 1,138 | 1,039 | 1,061 | 1,310 | 1,274 | 1,210 | 1,344 | 1,592 | 2,030 |
| Perth ..            | 1,006 | 1,013 | 1,095 | 1,276 | 1,186 | 1,073 | 1,113 | 1,351 | 1,345 | 1,329 | 1,394 | 1,618 | 2,008 |
| Hobart ..           | 935   | 888   | 1,011 | 1,003 | 1,169 | 1,061 | 1,070 | 1,250 | 1,236 | 1,263 | 1,341 | 1,582 | 1,995 |
| Weighted Average*   | 912   | 885   | 997   | 1,000 | 1,124 | 1,043 | 1,062 | 1,272 | 1,279 | 1,261 | 1,342 | 1,636 | 2,039 |

|                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GROUP II.—DAIRY PRODUCE. |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Sydney ..                | 881   | 932   | 976   | 971   | 1,098 | 1,095 | 1,110 | 1,221 | 1,291 | 1,319 | 1,358 | 1,578 | 1,957 |
| Melbourne ..             | 969   | 967   | 976   | 959   | 1,077 | 1,019 | 1,075 | 1,350 | 1,338 | 1,271 | 1,325 | 1,454 | 1,929 |
| Brisbane ..              | 833   | 837   | 973   | 983   | 1,055 | 1,008 | 995   | 1,277 | 1,287 | 1,294 | 1,334 | 1,573 | 1,816 |
| Adelaide ..              | 975   | 928   | 1,017 | 1,103 | 1,203 | 1,167 | 1,194 | 1,360 | 1,283 | 1,228 | 1,315 | 1,487 | 1,887 |
| Perth ..                 | 1,290 | 1,200 | 1,238 | 1,241 | 1,320 | 1,262 | 1,244 | 1,475 | 1,434 | 1,406 | 1,427 | 1,617 | 1,954 |
| Hobart ..                | 931   | 955   | 982   | 994   | 1,102 | 1,109 | 1,177 | 1,439 | 1,334 | 1,313 | 1,365 | 1,540 | 1,976 |
| Weighted Average*        | 945   | 955   | 998   | 1,000 | 1,115 | 1,080 | 1,108 | 1,307 | 1,316 | 1,295 | 1,345 | 1,526 | 1,928 |

|                   |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GROUP III.—MEAT.  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Sydney ..         | 1,025 | 994   | 977   | 959   | 1,107 | 1,213 | 1,280 | 1,778 | 2,091 | 2,154 | 2,020 | 2,125 | 2,383 |
| Melbourne ..      | 1,077 | 1,067 | 978   | 929   | 1,123 | 1,149 | 1,270 | 1,800 | 2,027 | 1,949 | 1,963 | 1,956 | 2,414 |
| Brisbane ..       | 1,026 | 1,024 | 936   | 935   | 991   | 965   | 1,169 | 1,549 | 1,766 | 1,667 | 1,819 | 1,905 | 2,126 |
| Adelaide ..       | 1,221 | 1,059 | 1,032 | 1,037 | 1,130 | 1,206 | 1,502 | 1,930 | 2,240 | 2,079 | 2,169 | 2,187 | 2,567 |
| Perth ..          | 1,378 | 1,511 | 1,535 | 1,577 | 1,643 | 1,607 | 1,688 | 1,722 | 1,997 | 1,913 | 1,708 | 2,200 | 2,224 |
| Hobart ..         | 1,225 | 1,279 | 1,276 | 1,221 | 1,321 | 1,400 | 1,493 | 1,789 | 2,217 | 2,274 | 2,427 | 2,256 | 2,645 |
| Weighted Average* | 1,101 | 1,074 | 1,024 | 1,000 | 1,144 | 1,198 | 1,323 | 1,781 | 2,056 | 2,022 | 1,992 | 2,063 | 2,390 |

## GROUPS I., II., AND III. COMBINED.—GROCERIES AND FOOD.

|                   |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sydney ..         | 917   | 936   | 1,000 | 989   | 1,124 | 1,131 | 1,156 | 1,396 | 1,520 | 1,540 | 1,549 | 1,783 | 2,148 |
| Melbourne ..      | 965   | 925   | 960   | 935   | 1,082 | 1,024 | 1,091 | 1,411 | 1,462 | 1,412 | 1,466 | 1,620 | 2,056 |
| Brisbane ..       | 965   | 947   | 1,000 | 1,018 | 1,102 | 1,042 | 1,078 | 1,373 | 1,426 | 1,406 | 1,495 | 1,782 | 2,052 |
| Adelaide ..       | 1,028 | 951   | 1,001 | 1,020 | 1,154 | 1,119 | 1,215 | 1,487 | 1,532 | 1,445 | 1,554 | 1,719 | 2,132 |
| Perth ..          | 1,184 | 1,197 | 1,251 | 1,346 | 1,345 | 1,267 | 1,302 | 1,483 | 1,542 | 1,505 | 1,486 | 1,772 | 2,050 |
| Hobart ..         | 1,011 | 1,010 | 1,073 | 1,058 | 1,190 | 1,164 | 1,212 | 1,445 | 1,523 | 1,544 | 1,635 | 1,748 | 2,162 |
| Weighted Average* | 972   | 955   | 1,005 | 1,000 | 1,129 | 1,095 | 1,144 | 1,416 | 1,495 | 1,472 | 1,514 | 1,716 | 2,101 |

## GROUP IV.—HOUSE RENT.

|                   |     |     |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sydney ..         | 858 | 911 | 988   | 1,090 | 1,183 | 1,246 | 1,279 | 1,220 | 1,212 | 1,215 | 1,252 | 1,289 | 1,415 |
| Melbourne ..      | 733 | 804 | 916   | 970   | 1,016 | 1,089 | 1,126 | 1,085 | 1,089 | 1,124 | 1,180 | 1,283 | 1,405 |
| Brisbane ..       | 488 | 575 | 700   | 767   | 804   | 863   | 882   | 859   | 847   | 859   | 905   | 983   | 1,061 |
| Adelaide ..       | 629 | 812 | 1,018 | 1,112 | 1,160 | 1,125 | 1,040 | 932   | 930   | 959   | 1,022 | 1,108 | 1,216 |
| Perth ..          | 801 | 684 | 696   | 810   | 880   | 928   | 914   | 848   | 869   | 874   | 885   | 916   | 996   |
| Hobart ..         | 667 | 708 | 776   | 805   | 829   | 887   | 914   | 928   | 928   | 951   | 956   | 1,134 | 1,373 |
| Weighted Average* | 751 | 816 | 919   | 1,000 | 1,063 | 1,118 | 1,135 | 1,081 | 1,081 | 1,098 | 1,143 | 1,215 | 1,333 |

## ALL GROUPS COMBINED.—GROCERIES, FOOD, AND HOUSE RENT.

|                   |       |     |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sydney ..         | 893   | 926 | 995   | 1,031 | 1,148 | 1,178 | 1,206 | 1,323 | 1,394 | 1,406 | 1,427 | 1,580 | 1,847 |
| Melbourne ..      | 870   | 875 | 942   | 950   | 1,055 | 1,051 | 1,105 | 1,277 | 1,309 | 1,294 | 1,349 | 1,481 | 1,788 |
| Brisbane ..       | 769   | 794 | 877   | 915   | 979   | 969   | 997   | 1,162 | 1,188 | 1,181 | 1,252 | 1,442 | 1,645 |
| Adelaide ..       | 864   | 894 | 1,008 | 1,058 | 1,157 | 1,121 | 1,143 | 1,259 | 1,285 | 1,245 | 1,335 | 1,468 | 1,756 |
| Perth ..          | 1,027 | 986 | 1,023 | 1,126 | 1,154 | 1,128 | 1,143 | 1,222 | 1,266 | 1,246 | 1,239 | 1,420 | 1,617 |
| Hobart ..         | 869   | 886 | 951   | 954   | 1,042 | 1,053 | 1,090 | 1,233 | 1,278 | 1,301 | 1,356 | 1,496 | 1,837 |
| Weighted Average* | 880   | 897 | 970   | 1,000 | 1,101 | 1,104 | 1,140 | 1,278 | 1,324 | 1,318 | 1,362 | 1,510 | 1,785 |

Note.—As to basis of index-numbers, see remarks on previous page.

\* For all capital towns.

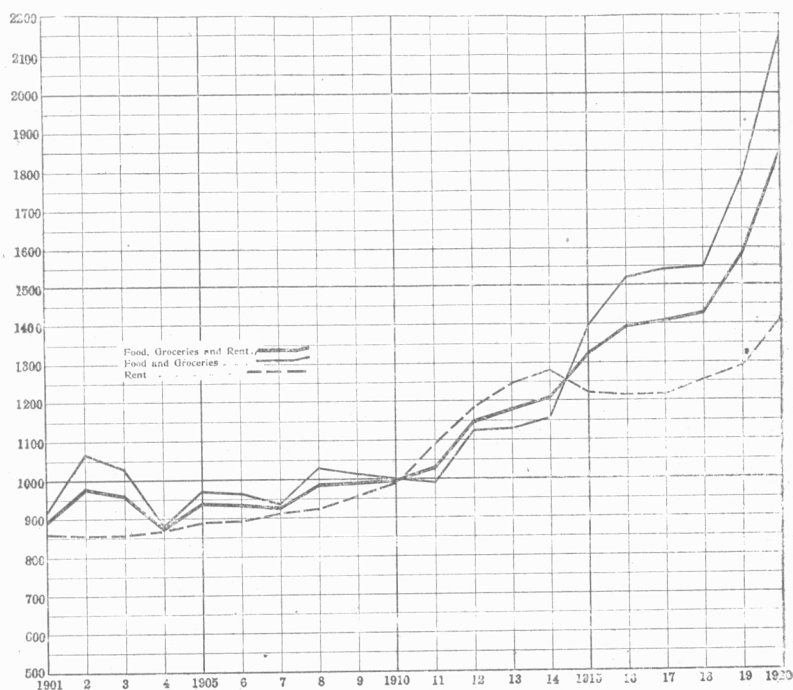
† Index-numbers for years 1902-8 are given in Labour Report No 6, p. 26.

\*\* As the price index-number increases, the purchasing-power of money diminishes.

The index-numbers for the last three groups (Food and Groceries, House Rent, and Food, Groceries and House Rent combined) are shewn, for each capital town, together with the weighted average of the six towns considered as a whole, in the graphs on pages 31 to 34. The paragraphs on pages 35 to 36 briefly indicate the general nature of the variations in each group.

GRAPHS SHEWING THE PURCHASING-POWER OF MONEY,\* METROPOLITAN TOWNS, 1901 to 1920.

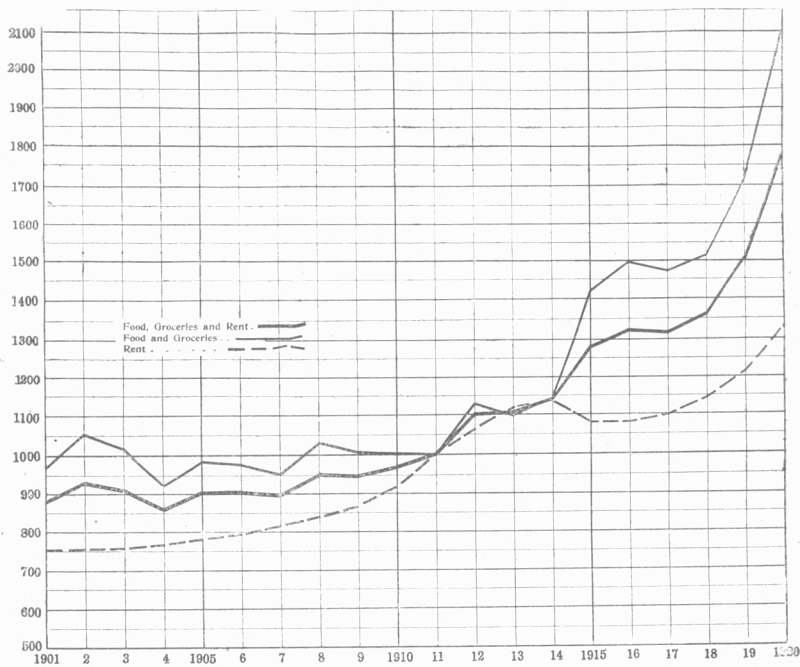
SYDNEY.



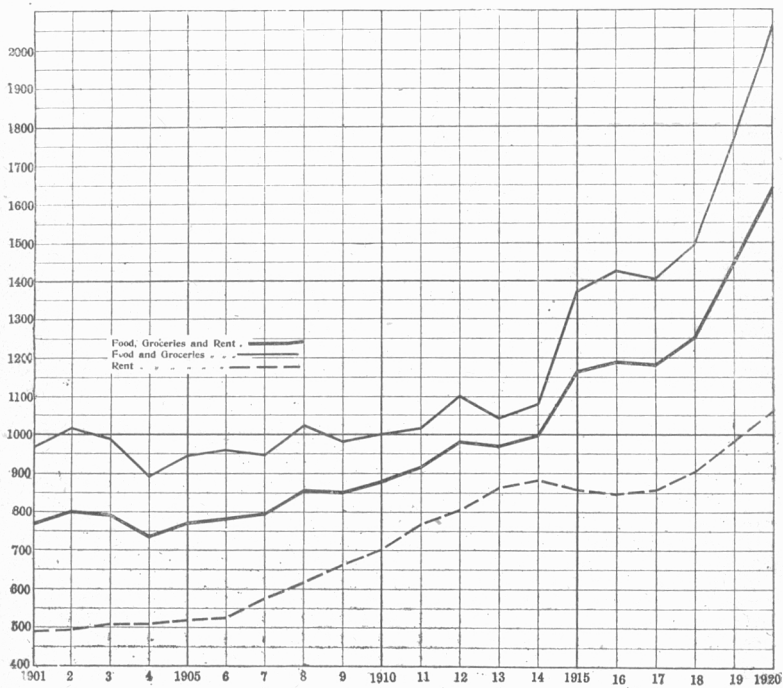
\* Based upon a constant "composite unit."

GRAPHS SHEWING PURCHASING-POWER OF MONEY, METROPOLITAN TOWNS  
1901 TO 1920.

MELBOURNE.



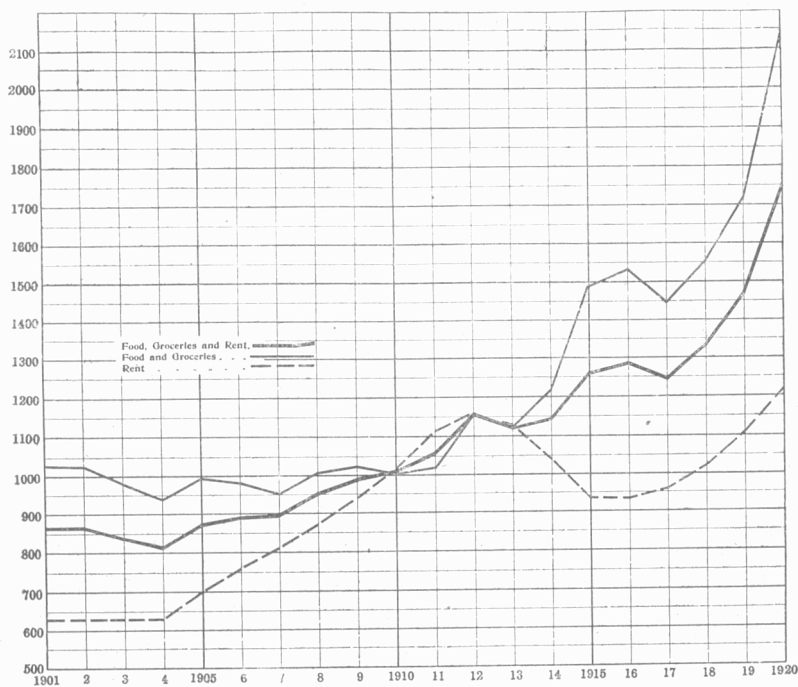
BRISBANE.



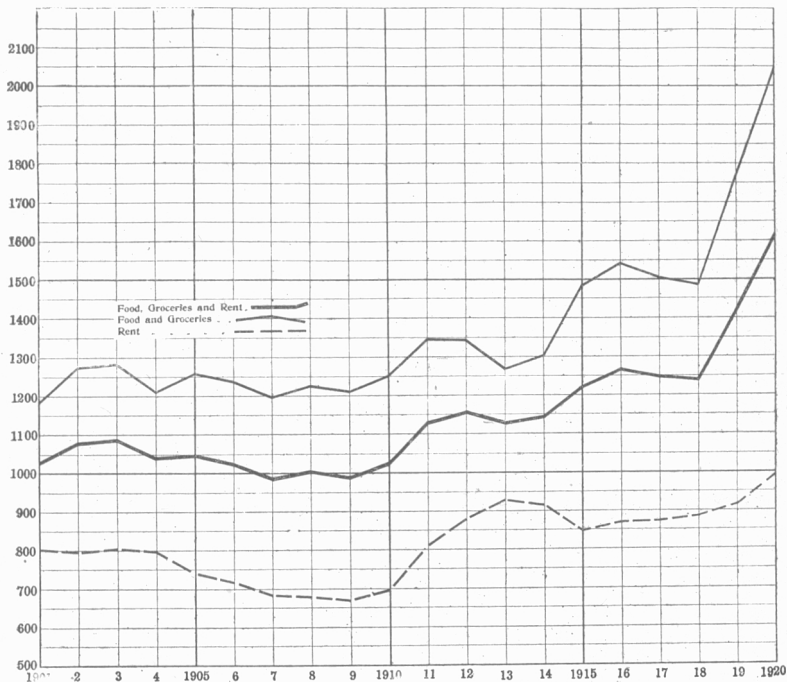
See footnote previous page.

GRAPHS SHEWING PURCHASING-POWER OF MONEY, METROPOLITAN TOWNS  
1901 TO 1920.

ADELAIDE.



PERTH.

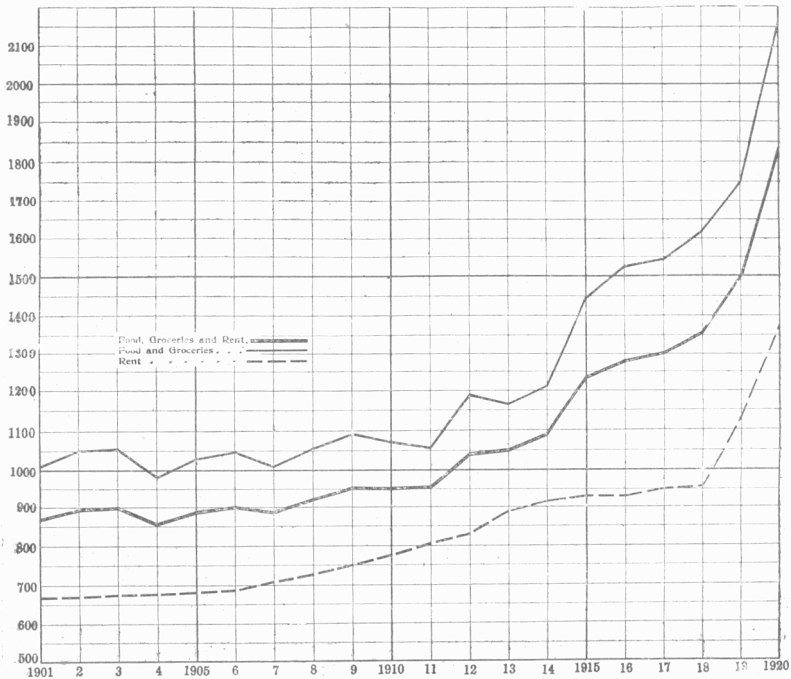


See footnote p. 31.

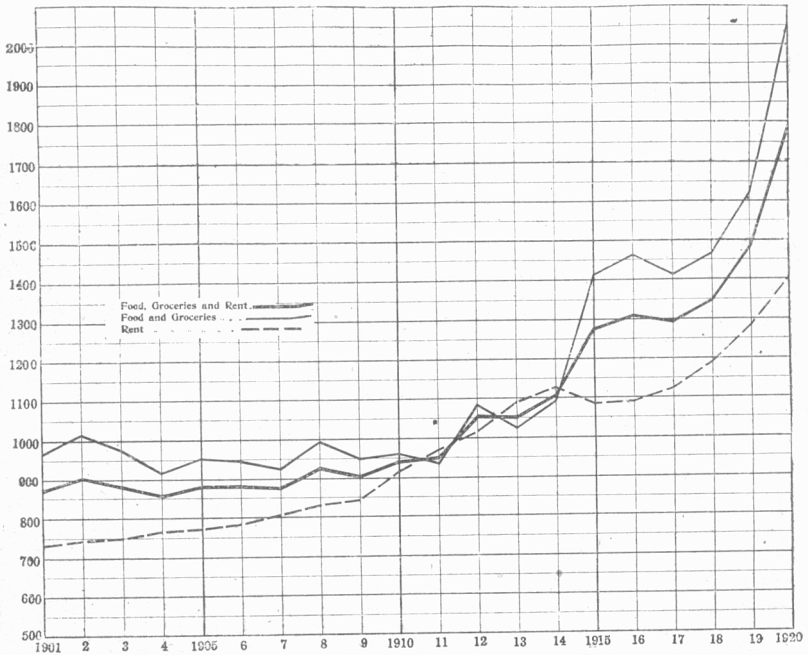


GRAPHS SHEWING THE PURCHASING-POWER OF MONEY, METROPOTITAN TOWNS,  
1901 to 1920.

HOBART.



PURCHASING-POWER OF MONEY.—WEIGHTED AVERAGE SIX CAPITAL TOWNS  
1901 to 1920.



See footnote p. 31.

(i.) *Groceries (18 Commodities).*—It may be seen that the index-number for this Group was higher in 1920 than in 1919 in all the capital towns, the aggregate effect upon the weighted average index-number shewing an increase. The increase in the weighted average index-number for all towns in 1920 compared with 1919 amounts to 25.0 per cent., compared with 1911 to 103.9 per cent., and compared with 1901 to 123.6 per cent. The average cost in 1920 of the commodities included in this group was greatest in Brisbane and least in Melbourne.

(ii.) *Dairy Produce (7 Commodities).*—The index-numbers for this group were higher for 1920 than for 1919 in all the towns. The weighted average index-number for all towns in 1920 was 25.8 per cent. higher than in 1919, 92.8 per cent. higher than in 1911, and 104.0 per cent. higher than in 1901. The average cost in 1920 of the commodities in this group was highest in Hobart and lowest in Brisbane.

(iii.) *Meat (21 Cuts or Joints of Butcher's Meat).*—The index-numbers for this group were higher in 1920 than in 1919 in all the capital towns. The weighted average index-number for all towns taken together in 1920 was 15.9 per cent. higher than in 1919; 139.0 per cent. higher than in 1911, and 117.1 per cent. higher than in 1901. The average cost for 1920 of the commodities included in this group was greatest in Hobart and least in Brisbane.

(iv.) *Groceries and Food (Groups I., II., and III. combined).\**—The index-numbers for this combined group shew the aggregate effect upon the purchasing-power-of-money index-numbers of movements in prices of commodities, apart from variations in house rent. There was an increase in 1920 compared with the immediately preceding year in all the towns. During the whole of the period covered by the table on page 30 the index-numbers were higher in Perth than in any other capital town up to and including 1914. The disparity between that town and the remaining towns was greater in the earlier years of the period, and less in the later years, and for 1915 the index-number for Perth, while still higher than for all the towns except Adelaide, shews less divergence from the weighted average than for any other year. In 1916 the index-number for Perth was again higher than for any other town, but in 1917 it was lower in that town than in Sydney or Hobart. In 1918 the index-number for Perth was lower than in all the towns except Melbourne, and in 1919 was higher than in all the towns except Sydney. In 1920 the index-number for Perth was the lowest of the 6 capital towns. Taking the weighted average for all the towns the prices of the 46 items of food and groceries specified on page 26 were 22.4 per cent. higher in 1920 than in 1919; 110.1 per cent. higher than in 1911; and 116.2 per cent. higher than in 1901. The average cost of these items for 1920 was greatest in Hobart and least in Perth.

(v.) *House Rent.*—Except in Adelaide, where rents remained stationary from 1901 to 1904, and declined in 1913, and in Perth, where they decreased from 1903 to 1907, and again in 1908-9 and 1914, there was a uniform increase in each of the metropolitan towns from 1901 to 1914. The abnormal conditions arising out of the war has resulted in entirely changed conditions for the years 1915 to 1920. It will be seen that

\* That is the "composite unit" upon which these index-numbers are computed.

for 1915 there was a decrease in the cost of housing accommodation in all the towns except Hobart, where there was a small increase. In 1916 Melbourne and Perth shew slight increases, Sydney, Brisbane and Adelaide slight decreases, while the index-number for Hobart was the same for 1916 as for 1915. In 1917, 1918 and 1919 there was an increase in the average rentals in all the towns, and in 1920 there was a further increase. The weighted average index-number for 1920 is 9.7 per cent. higher than for 1919, 33.3 per cent. higher than in 1911, and 77.5 per cent. higher than in 1901. The greatest increase since 1901 has occurred in Brisbane (117.4 per cent.), followed in the order named by Hobart (105.8 per cent.), Adelaide, (93.3 per cent.), Melbourne, (91.7 per cent.), Sydney (64.9 per cent.), and Perth (24.3 per cent.).

(vi.) *Price Index-numbers for Food, Groceries and House Rent combined.*—The weighted average index-numbers for the combined expenditure upon the 46 items of food and groceries and housing accommodation shew an increase of 18.2 per cent. in 1920 compared with 1919; 78.5 compared with 1911, and 102.8 compared with 1901. Reference to the graph on page 34 will shew that the weighted average price index-number was lower in 1904 than in any other year during the period covered by the investigations. The index-number rose in 1905 and 1906, and fell in 1907. There was a substantial rise in 1908, followed by a slight decline in 1909. Further rises occurred in 1910 and 1911, and again in 1912, when the increase was very considerable (10.1 per cent.). The index-number for 1913 was practically the same as for 1912, but in 1914 there was a rise of 3.2 per cent., in 1915 of 12.1 per cent., and a further rise in 1916 of 3.6 per cent. The index-number for 1917 was 0.5 per cent. lower than for 1916, but in 1918 there was a rise of 3.3 per cent. The index-number for 1919 shews a rise of 10.9 per cent., and there was a further sharp rise of 18.2 per cent. for 1920, which is the highest recorded.

Compared with 1911, the base year of the period, the weighted average purchasing-power-of-money index-number shews an increase of 78.5 per cent. for 1920. It may further be seen that, except for the year 1909, from 1901 to 1912 inclusive, the index-number for Perth was higher than for any other capital town. From 1913 to 1920 the index-number for Sydney was the highest, and for 1920 the index-number for Perth was lower than for any other town. Attention has already been drawn to the fact that the increase in prices of food and groceries during 1915 and subsequent years was considerably less in Perth than in the remaining towns. The result of this is to alter the relative cost of food, groceries, and house rent combined in the several towns.

**6. Index-numbers Shewing Variations in Cost of Food, Groceries and House Rent, 1912 to 1920.**—In the following tables, index-numbers are given shewing variations in the cost of food and groceries (46 commodities), in thirty of the more important towns throughout the Commonwealth at yearly and quarterly periods from 1912 to 1920. Index-numbers for food and groceries are also given for each month of 1920. In addition, index-numbers shewing for these years the quarterly and yearly variations in house rents and in the combined cost of food, groceries and house rent, are given. As explained on pp. 31 and 32 of Labour Report No. 6, these are now computed to the same base as the index-numbers relating to the six capital cities, which go back to the year 1901 :—

**Food and Groceries (46 Commodities), Price Index-Numbers\* for Each of Thirty Towns, with Weighted Average of Six Capital Towns in 1911 as Base (= 1000).**

|               | N.S.W.—INDEX-NUMBERS. |            |              |           |           |                          | VICTORIA—INDEX-NUMBERS. |           |          |          |             |                             |
|---------------|-----------------------|------------|--------------|-----------|-----------|--------------------------|-------------------------|-----------|----------|----------|-------------|-----------------------------|
|               | Sydney.               | Newcastle. | Broken Hill. | Goulburn. | Bathurst. | Weighted Average, N.S.W. | Melbourne.              | Ballarat. | Bendigo. | Geelong. | Warrambool. | Weighted Average, Victoria. |
| 1912          | 1,124                 | 1,134      | 1,352        | 1,128     | 1,083     | 1,134                    | 1,082                   | 1,110     | 1,112    | 1,086    | 1,057       | 1,086                       |
| 1913          | 1,131                 | 1,127      | 1,343        | 1,151     | 1,053     | 1,139                    | 1,024                   | 1,028     | 1,057    | 1,049    | 1,043       | 1,028                       |
| 1914          | 1,156                 | 1,142      | 1,383        | 1,174     | 1,094     | 1,164                    | 1,091                   | 1,086     | 1,098    | 1,099    | 1,074       | 1,091                       |
| 1915          | 1,396                 | 1,389      | 1,642        | 1,388     | 1,336     | 1,404                    | 1,411                   | 1,443     | 1,429    | 1,393    | 1,425       | 1,414                       |
| 1916          | 1,520                 | 1,508      | 1,810        | 1,532     | 1,466     | 1,530                    | 1,462                   | 1,466     | 1,453    | 1,464    | 1,466       | 1,462                       |
| 1917          | 1,540                 | 1,537      | 1,778        | 1,490     | 1,483     | 1,548                    | 1,412                   | 1,401     | 1,407    | 1,419    | 1,429       | 1,412                       |
| 1918          | 1,549                 | 1,564      | 1,752        | 1,526     | 1,504     | 1,557                    | 1,466                   | 1,441     | 1,443    | 1,445    | 1,493       | 1,463                       |
| 1919          | 1,783                 | 1,803      | 1,900        | 1,781     | 1,681     | 1,788                    | 1,620                   | 1,587     | 1,558    | 1,588    | 1,604       | 1,612                       |
| 1920          | 2,148                 | 2,146      | 2,296        | 2,185     | 2,113     | 2,158                    | 2,056                   | 2,080     | 2,009    | 1,995    | 2,035       | 2,052                       |
| 1912 1st Qtr. | 1,036                 | 1,062      | 1,295        | 1,033     | 995       | 1,048                    | 988                     | 1,001     | 998      | 1,002    | 976         | 990                         |
| 2nd "         | 1,090                 | 1,099      | 1,328        | 1,070     | 1,056     | 1,100                    | 1,069                   | 1,056     | 1,102    | 1,056    | 1,042       | 1,069                       |
| 3rd "         | 1,195                 | 1,195      | 1,375        | 1,154     | 1,136     | 1,201                    | 1,156                   | 1,170     | 1,176    | 1,132    | 1,115       | 1,157                       |
| 4th "         | 1,176                 | 1,180      | 1,410        | 1,258     | 1,144     | 1,187                    | 1,113                   | 1,211     | 1,175    | 1,154    | 1,097       | 1,125                       |
| 1913 1st Qtr. | 1,136                 | 1,124      | 1,329        | 1,189     | 1,060     | 1,143                    | 1,036                   | 1,055     | 1,101    | 1,085    | 1,051       | 1,043                       |
| 2nd "         | 1,158                 | 1,147      | 1,381        | 1,189     | 1,083     | 1,166                    | 1,040                   | 1,049     | 1,093    | 1,072    | 1,067       | 1,046                       |
| 3rd "         | 1,128                 | 1,124      | 1,321        | 1,118     | 1,036     | 1,134                    | 1,021                   | 1,013     | 1,037    | 1,030    | 1,037       | 1,022                       |
| 4th "         | 1,104                 | 1,112      | 1,343        | 1,109     | 1,034     | 1,114                    | 999                     | 996       | 999      | 1,009    | 1,018       | 999                         |
| 1914 1st Qtr. | 1,150                 | 1,110      | 1,340        | 1,134     | 1,065     | 1,153                    | 1,028                   | 1,029     | 1,043    | 1,038    | 1,034       | 1,030                       |
| 2nd "         | 1,163                 | 1,133      | 1,423        | 1,201     | 1,121     | 1,173                    | 1,118                   | 1,090     | 1,115    | 1,133    | 1,073       | 1,116                       |
| 3rd "         | 1,154                 | 1,148      | 1,393        | 1,177     | 1,095     | 1,163                    | 1,101                   | 1,113     | 1,109    | 1,099    | 1,089       | 1,102                       |
| 4th "         | 1,156                 | 1,154      | 1,375        | 1,184     | 1,092     | 1,164                    | 1,115                   | 1,113     | 1,126    | 1,126    | 1,100       | 1,116                       |
| 1915 1st Qtr. | 1,231                 | 1,233      | 1,488        | 1,222     | 1,182     | 1,241                    | 1,186                   | 1,202     | 1,201    | 1,178    | 1,162       | 1,187                       |
| 2nd "         | 1,286                 | 1,293      | 1,605        | 1,299     | 1,254     | 1,300                    | 1,382                   | 1,411     | 1,389    | 1,348    | 1,377       | 1,383                       |
| 3rd "         | 1,536                 | 1,506      | 1,721        | 1,518     | 1,453     | 1,540                    | 1,584                   | 1,627     | 1,634    | 1,567    | 1,628       | 1,590                       |
| 4th "         | 1,530                 | 1,522      | 1,753        | 1,512     | 1,455     | 1,537                    | 1,491                   | 1,531     | 1,493    | 1,489    | 1,533       | 1,494                       |
| 1916 1st Qtr. | 1,566                 | 1,532      | 1,784        | 1,538     | 1,454     | 1,570                    | 1,510                   | 1,503     | 1,504    | 1,499    | 1,502       | 1,509                       |
| 2nd "         | 1,517                 | 1,496      | 1,827        | 1,545     | 1,479     | 1,528                    | 1,483                   | 1,501     | 1,479    | 1,506    | 1,484       | 1,485                       |
| 3rd "         | 1,510                 | 1,509      | 1,816        | 1,532     | 1,468     | 1,523                    | 1,448                   | 1,449     | 1,417    | 1,449    | 1,468       | 1,447                       |
| 4th "         | 1,485                 | 1,494      | 1,817        | 1,511     | 1,462     | 1,500                    | 1,407                   | 1,412     | 1,411    | 1,400    | 1,408       | 1,407                       |
| 1917 1st Qtr. | 1,499                 | 1,518      | 1,804        | 1,522     | 1,467     | 1,513                    | 1,395                   | 1,400     | 1,395    | 1,405    | 1,415       | 1,396                       |
| 2nd "         | 1,506                 | 1,528      | 1,809        | 1,481     | 1,471     | 1,520                    | 1,412                   | 1,403     | 1,425    | 1,438    | 1,435       | 1,414                       |
| 3rd "         | 1,588                 | 1,548      | 1,743        | 1,460     | 1,487     | 1,587                    | 1,419                   | 1,392     | 1,415    | 1,418    | 1,435       | 1,417                       |
| 4th "         | 1,566                 | 1,555      | 1,754        | 1,496     | 1,506     | 1,571                    | 1,422                   | 1,408     | 1,395    | 1,416    | 1,430       | 1,419                       |
| 1918 1st Qtr. | 1,553                 | 1,562      | 1,783        | 1,481     | 1,502     | 1,561                    | 1,447                   | 1,433     | 1,434    | 1,453    | 1,448       | 1,446                       |
| 2nd "         | 1,549                 | 1,574      | 1,828        | 1,526     | 1,521     | 1,561                    | 1,478                   | 1,450     | 1,483    | 1,475    | 1,506       | 1,477                       |
| 3rd "         | 1,514                 | 1,522      | 1,705        | 1,509     | 1,487     | 1,522                    | 1,449                   | 1,422     | 1,427    | 1,426    | 1,501       | 1,445                       |
| 4th "         | 1,579                 | 1,599      | 1,692        | 1,589     | 1,508     | 1,585                    | 1,490                   | 1,459     | 1,429    | 1,426    | 1,515       | 1,482                       |
| 1919 1st Qtr. | 1,702                 | 1,727      | 1,789        | 1,737     | 1,619     | 1,707                    | 1,566                   | 1,530     | 1,498    | 1,528    | 1,555       | 1,557                       |
| 2nd "         | 1,770                 | 1,774      | 1,849        | 1,743     | 1,656     | 1,772                    | 1,574                   | 1,533     | 1,526    | 1,541    | 1,562       | 1,567                       |
| 3rd "         | 1,766                 | 1,812      | 1,900        | 1,756     | 1,683     | 1,774                    | 1,605                   | 1,583     | 1,560    | 1,582    | 1,607       | 1,599                       |
| 4th "         | 1,893                 | 1,901      | 2,060        | 1,887     | 1,765     | 1,899                    | 1,734                   | 1,701     | 1,648    | 1,699    | 1,693       | 1,724                       |
| 1920 1st Qtr. | 1,993                 | 1,988      | 2,117        | 1,946     | 1,863     | 1,995                    | 1,717                   | 1,754     | 1,695    | 1,717    | 1,718       | 1,718                       |
| 2nd "         | 2,101                 | 2,099      | 2,384        | 2,085     | 2,040     | 2,112                    | 2,026                   | 2,039     | 1,981    | 1,957    | 1,937       | 2,020                       |
| 3rd "         | 2,300                 | 2,230      | 2,538        | 2,412     | 2,265     | 2,305                    | 2,289                   | 2,297     | 2,228    | 2,175    | 2,238       | 2,280                       |
| 4th "         | 2,198                 | 2,267      | 2,547        | 2,295     | 2,282     | 2,220                    | 2,190                   | 2,228     | 2,130    | 2,128    | 2,246       | 2,187                       |
| 1920          |                       |            |              |           |           |                          |                         |           |          |          |             |                             |
| January ..    | 1,956                 | 1,971      | 2,114        | 1,947     | 1,861     | 1,962                    | 1,674                   | 1,750     | 1,669    | 1,685    | 1,681       | 1,680                       |
| February ..   | 2,018                 | 1,986      | 2,087        | 1,940     | 1,846     | 2,015                    | 1,720                   | 1,734     | 1,675    | 1,706    | 1,710       | 1,717                       |
| March ..      | 2,004                 | 2,005      | 2,150        | 1,951     | 1,883     | 2,008                    | 1,758                   | 1,778     | 1,741    | 1,760    | 1,762       | 1,758                       |
| April ..      | 2,060                 | 2,071      | 2,286        | 2,033     | 2,002     | 2,069                    | 1,917                   | 1,933     | 1,874    | 1,858    | 1,849       | 1,912                       |
| May ..        | 2,052                 | 2,079      | 2,378        | 2,067     | 2,016     | 2,068                    | 2,007                   | 2,037     | 1,937    | 1,935    | 1,945       | 2,001                       |
| June ..       | 2,192                 | 2,148      | 2,484        | 2,155     | 2,101     | 2,198                    | 2,153                   | 2,146     | 2,133    | 2,077    | 2,018       | 2,146                       |
| July ..       | 2,252                 | 2,172      | 2,526        | 2,264     | 2,172     | 2,256                    | 2,299                   | 2,255     | 2,193    | 2,151    | 2,205       | 2,281                       |
| August ..     | 2,314                 | 2,213      | 2,516        | 2,475     | 2,276     | 2,316                    | 2,260                   | 2,284     | 2,218    | 2,140    | 2,203       | 2,253                       |
| September ..  | 2,333                 | 2,305      | 2,571        | 2,498     | 2,346     | 2,343                    | 2,307                   | 2,352     | 2,273    | 2,236    | 2,306       | 2,305                       |
| October ..    | 2,230                 | 2,304      | 2,579        | 2,327     | 2,315     | 2,253                    | 2,244                   | 2,316     | 2,200    | 2,159    | 2,296       | 2,243                       |
| November ..   | 2,191                 | 2,259      | 2,553        | 2,287     | 2,214     | 2,182                    | 2,216                   | 2,114     | 2,114    | 2,102    | 2,244       | 2,177                       |
| December ..   | 2,173                 | 2,239      | 2,508        | 2,271     | 2,244     | 2,194                    | 2,145                   | 2,153     | 2,077    | 2,125    | 2,197       | 2,141                       |

Index-numbers for each of the months of 1912, 1913, 1914, and 1915 are given on pp. 33-35 of Labour Report No. 6 ; for 1916 on pp. 371-3 of Labour Report No. 7 ; for 1917 on pp. 32-4, Labour Report No. 8 ; for 1918 on pp. 33-35 of Labour Report No. 9 ; and for 1919 on pp. 36 to 38 of Labour Report No. 10.

\* As the price index-number increases, the purchasing-power of money diminishes.

**Food and Groceries (46 Commodities), Price-Index-Numbers\* for Each of Thirty Towns, with Weighted Average of Six Capital Towns in 1911 as Base (= 1000)—cont.**

|               | QUEENSLAND—INDEX-NUMBERS. |            |              |                  |          |                               | SOUTH AUSTRALIA—INDEX-NUMBERS. |                              |             |              |               |                        |
|---------------|---------------------------|------------|--------------|------------------|----------|-------------------------------|--------------------------------|------------------------------|-------------|--------------|---------------|------------------------|
|               | Brisbane.                 | Toowoomba. | Rockhampton. | Charters Towers. | Warwick. | Weighted Average, Queensland. | Adelaide.                      | Kadina, Moonta and Wallaroo. | Port Pirie. | Mt. Gambier. | Peterborough. | Weighted Average, S.A. |
| 1912          | 1,102                     | 1,100      | 1,142        | 1,292            | 1,144    | 1,123                         | 1,154                          | 1,154                        | 1,195       | 1,031        | 1,160         | 1,152                  |
| 1913          | 1,042                     | 1,045      | 1,067        | 1,212            | 1,073    | 1,060                         | 1,119                          | 1,139                        | 1,161       | 1,021        | 1,108         | 1,119                  |
| 1914          | 1,078                     | 1,088      | 1,145        | 1,266            | 1,088    | 1,102                         | 1,215                          | 1,210                        | 1,247       | 1,062        | 1,268         | 1,212                  |
| 1915          | 1,373                     | 1,405      | 1,429        | 1,546            | 1,372    | 1,396                         | 1,487                          | 1,506                        | 1,560       | 1,382        | 1,504         | 1,489                  |
| 1916          | 1,426                     | 1,432      | 1,530        | 1,599            | 1,422    | 1,452                         | 1,532                          | 1,583                        | 1,604       | 1,467        | 1,593         | 1,537                  |
| 1917          | 1,405                     | 1,390      | 1,427        | 1,574            | 1,413    | 1,420                         | 1,445                          | 1,535                        | 1,579       | 1,422        | 1,552         | 1,457                  |
| 1918          | 1,495                     | 1,496      | 1,523        | 1,700            | 1,563    | 1,517                         | 1,553                          | 1,569                        | 1,628       | 1,487        | 1,590         | 1,556                  |
| 1919          | 1,762                     | 1,800      | 1,827        | 1,979            | 1,807    | 1,792                         | 1,719                          | 1,706                        | 1,744       | 1,580        | 1,731         | 1,716                  |
| 1920          | 2,052                     | 1,999      | 2,067        | 2,133            | 2,045    | 2,055                         | 2,132                          | 2,039                        | 2,096       | 1,976        | 2,092         | 2,123                  |
| 1912 1st Qtr. | 1,095                     | 1,115      | 1,166        | 1,295            | 1,132    | 1,122                         | 1,100                          | 1,108                        | 1,162       | 976          | 1,125         | 1,100                  |
| 2nd "         | 1,085                     | 1,100      | 1,148        | 1,294            | 1,156    | 1,119                         | 1,147                          | 1,147                        | 1,202       | 1,017        | 1,134         | 1,145                  |
| 3rd "         | 1,105                     | 1,088      | 1,125        | 1,283            | 1,159    | 1,122                         | 1,192                          | 1,173                        | 1,201       | 1,063        | 1,190         | 1,188                  |
| 4th "         | 1,111                     | 1,095      | 1,132        | 1,299            | 1,128    | 1,128                         | 1,177                          | 1,193                        | 1,213       | 1,069        | 1,193         | 1,176                  |
| 1913 1st Qtr. | 1,036                     | 1,018      | 1,064        | 1,233            | 1,079    | 1,055                         | 1,123                          | 1,140                        | 1,155       | 1,018        | 1,109         | 1,122                  |
| 2nd "         | 1,060                     | 1,047      | 1,074        | 1,231            | 1,116    | 1,076                         | 1,145                          | 1,161                        | 1,183       | 1,037        | 1,118         | 1,144                  |
| 3rd "         | 1,040                     | 1,054      | 1,052        | 1,192            | 1,058    | 1,056                         | 1,117                          | 1,137                        | 1,162       | 1,039        | 1,117         | 1,118                  |
| 4th "         | 1,035                     | 1,058      | 1,078        | 1,191            | 1,041    | 1,055                         | 1,090                          | 1,119                        | 1,142       | 989          | 1,088         | 1,091                  |
| 1914 1st Qtr. | 1,044                     | 1,078      | 1,110        | 1,218            | 1,090    | 1,070                         | 1,147                          | 1,146                        | 1,161       | 1,030        | 1,166         | 1,144                  |
| 2nd "         | 1,058                     | 1,056      | 1,125        | 1,255            | 1,073    | 1,082                         | 1,250                          | 1,252                        | 1,255       | 1,066        | 1,291         | 1,246                  |
| 3rd "         | 1,085                     | 1,069      | 1,161        | 1,252            | 1,076    | 1,105                         | 1,229                          | 1,231                        | 1,283       | 1,067        | 1,319         | 1,228                  |
| 4th "         | 1,124                     | 1,151      | 1,186        | 1,338            | 1,114    | 1,151                         | 1,233                          | 1,209                        | 1,289       | 1,084        | 1,294         | 1,231                  |
| 1915 1st Qtr. | 1,193                     | 1,228      | 1,261        | 1,423            | 1,221    | 1,223                         | 1,315                          | 1,328                        | 1,402       | 1,189        | 1,353         | 1,317                  |
| 2nd "         | 1,318                     | 1,360      | 1,361        | 1,553            | 1,360    | 1,347                         | 1,506                          | 1,522                        | 1,553       | 1,395        | 1,515         | 1,506                  |
| 3rd "         | 1,450                     | 1,433      | 1,466        | 1,549            | 1,422    | 1,463                         | 1,602                          | 1,624                        | 1,673       | 1,498        | 1,607         | 1,603                  |
| 4th "         | 1,531                     | 1,549      | 1,630        | 1,660            | 1,484    | 1,552                         | 1,526                          | 1,552                        | 1,612       | 1,445        | 1,540         | 1,529                  |
| 1916 1st Qtr. | 1,551                     | 1,554      | 1,663        | 1,678            | 1,523    | 1,572                         | 1,550                          | 1,591                        | 1,648       | 1,481        | 1,598         | 1,556                  |
| 2nd "         | 1,456                     | 1,453      | 1,580        | 1,645            | 1,440    | 1,484                         | 1,574                          | 1,610                        | 1,643       | 1,512        | 1,630         | 1,578                  |
| 3rd "         | 1,356                     | 1,383      | 1,447        | 1,530            | 1,373    | 1,383                         | 1,521                          | 1,579                        | 1,565       | 1,461        | 1,584         | 1,525                  |
| 4th "         | 1,341                     | 1,338      | 1,431        | 1,539            | 1,353    | 1,367                         | 1,469                          | 1,548                        | 1,561       | 1,426        | 1,568         | 1,477                  |
| 1917 1st Qtr. | 1,349                     | 1,308      | 1,384        | 1,542            | 1,335    | 1,364                         | 1,476                          | 1,564                        | 1,583       | 1,419        | 1,560         | 1,485                  |
| 2nd "         | 1,373                     | 1,352      | 1,409        | 1,570            | 1,374    | 1,391                         | 1,469                          | 1,572                        | 1,605       | 1,441        | 1,586         | 1,482                  |
| 3rd "         | 1,419                     | 1,404      | 1,440        | 1,575            | 1,440    | 1,433                         | 1,402                          | 1,494                        | 1,552       | 1,408        | 1,521         | 1,416                  |
| 4th "         | 1,480                     | 1,498      | 1,473        | 1,610            | 1,502    | 1,492                         | 1,432                          | 1,511                        | 1,575       | 1,419        | 1,539         | 1,444                  |
| 1918 1st Qtr. | 1,447                     | 1,406      | 1,483        | 1,662            | 1,493    | 1,466                         | 1,514                          | 1,571                        | 1,630       | 1,463        | 1,596         | 1,522                  |
| 2nd "         | 1,482                     | 1,448      | 1,503        | 1,681            | 1,529    | 1,499                         | 1,607                          | 1,584                        | 1,647       | 1,513        | 1,603         | 1,605                  |
| 3rd "         | 1,488                     | 1,515      | 1,506        | 1,699            | 1,588    | 1,513                         | 1,538                          | 1,552                        | 1,602       | 1,488        | 1,566         | 1,541                  |
| 4th "         | 1,562                     | 1,614      | 1,599        | 1,758            | 1,642    | 1,589                         | 1,554                          | 1,567                        | 1,633       | 1,485        | 1,594         | 1,557                  |
| 1919 1st Qtr. | 1,707                     | 1,790      | 1,773        | 1,888            | 1,779    | 1,739                         | 1,652                          | 1,647                        | 1,710       | 1,533        | 1,684         | 1,651                  |
| 2nd "         | 1,709                     | 1,756      | 1,782        | 1,939            | 1,770    | 1,742                         | 1,702                          | 1,668                        | 1,722       | 1,544        | 1,702         | 1,696                  |
| 3rd "         | 1,730                     | 1,754      | 1,782        | 2,041            | 1,773    | 1,765                         | 1,708                          | 1,686                        | 1,713       | 1,580        | 1,712         | 1,703                  |
| 4th "         | 1,899                     | 1,898      | 1,972        | 2,047            | 1,904    | 1,919                         | 1,817                          | 1,825                        | 1,833       | 1,664        | 1,825         | 1,813                  |
| 1920 1st Qtr. | 2,017                     | 2,013      | 2,067        | 2,168            | 1,977    | 2,033                         | 1,886                          | 1,872                        | 1,853       | 1,690        | 1,883         | 1,877                  |
| 2nd "         | 2,065                     | 2,075      | 2,056        | 2,107            | 2,056    | 2,061                         | 2,136                          | 2,051                        | 2,072       | 1,930        | 2,105         | 2,121                  |
| 3rd "         | 2,103                     | 2,042      | 2,101        | 2,149            | 2,098    | 2,100                         | 2,303                          | 2,240                        | 2,236       | 2,148        | 2,226         | 2,291                  |
| 4th "         | 2,023                     | 1,936      | 2,041        | 2,106            | 2,049    | 2,024                         | 2,203                          | 2,194                        | 2,222       | 2,136        | 2,154         | 2,200                  |
| 1920          |                           |            |              |                  |          |                               |                                |                              |             |              |               |                        |
| January ..    | 2,093                     | 2,090      | 2,173        | 2,189            | 2,046    | 2,107                         | 1,869                          | 1,874                        | 1,876       | 1,683        | 1,872         | 1,864                  |
| February ..   | 2,036                     | 2,020      | 2,057        | 2,196            | 1,950    | 2,047                         | 1,881                          | 1,864                        | 1,817       | 1,659        | 1,885         | 1,870                  |
| March ..      | 1,922                     | 1,929      | 1,970        | 2,120            | 1,934    | 1,944                         | 1,907                          | 1,878                        | 1,867       | 1,723        | 1,892         | 1,897                  |
| April ..      | 2,017                     | 1,973      | 2,010        | 2,148            | 1,999    | 2,022                         | 2,028                          | 1,988                        | 2,029       | 1,861        | 1,987         | 2,020                  |
| May ..        | 2,060                     | 2,001      | 2,068        | 2,082            | 2,045    | 2,053                         | 2,114                          | 2,045                        | 2,056       | 1,913        | 2,125         | 2,101                  |
| June ..       | 2,118                     | 2,041      | 2,090        | 2,092            | 2,124    | 2,103                         | 2,267                          | 2,119                        | 2,131       | 2,015        | 2,202         | 2,243                  |
| July ..       | 2,100                     | 2,030      | 2,104        | 2,140            | 2,113    | 2,097                         | 2,403                          | 2,245                        | 2,250       | 2,146        | 2,243         | 2,377                  |
| August ..     | 2,107                     | 2,045      | 2,097        | 2,150            | 2,092    | 2,103                         | 2,230                          | 2,237                        | 2,221       | 2,141        | 2,221         | 2,227                  |
| September ..  | 2,103                     | 2,051      | 2,103        | 2,158            | 2,089    | 2,102                         | 2,276                          | 2,230                        | 2,238       | 2,158        | 2,213         | 2,268                  |
| October ..    | 2,099                     | 2,031      | 2,115        | 2,120            | 2,100    | 2,095                         | 2,257                          | 2,221                        | 2,268       | 2,136        | 2,200         | 2,251                  |
| November ..   | 1,997                     | 1,907      | 2,012        | 2,130            | 2,033    | 2,002                         | 2,191                          | 2,201                        | 2,216       | 2,146        | 2,151         | 2,191                  |
| December ..   | 1,972                     | 1,869      | 1,997        | 2,069            | 2,014    | 1,974                         | 2,160                          | 2,160                        | 2,182       | 2,127        | 2,110         | 2,160                  |

Index-numbers for each of the months of 1912, 1913, 1914 and 1915 are given on pp. 33-5 of Labour Report No. 6; for 1916 on pp. 371-3, Labour Report No. 7; for 1917 on pp. 32-4, Labour Report No. 8; for 1918 on pp. 33-35, Labour Report No. 9; and for 1919 on pp. 36-38 of Labour Report No. 10.

\* See footnote on preceding page.

Food and Groceries (46 Commodities), Price Index-Numbers\* for Each of Thirty Towns, with Weighted Average of Six Capital Towns in 1911 as Base (= 1000)—cont.

| WESTERN AUSTRALIA—INDEX-NUMBERS.   |       |       |       |       |       |       |       |       |       | TASMANIA—INDEX-NUMBERS.              |       |       |       |       |       |       |       |       |       |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Perth.                             |       |       |       |       |       |       |       |       |       | Bunbury.                             |       |       |       |       |       |       |       |       |       |
| Kalgoorlie.                        |       |       |       |       |       |       |       |       |       | Geraldton.                           |       |       |       |       |       |       |       |       |       |
| Midland Junction and Guildford.    |       |       |       |       |       |       |       |       |       | Weighted Average, W.A.               |       |       |       |       |       |       |       |       |       |
| Hobart.                            |       |       |       |       |       |       |       |       |       | Launceston.                          |       |       |       |       |       |       |       |       |       |
| Zeehan.                            |       |       |       |       |       |       |       |       |       | Beaconsfield.                        |       |       |       |       |       |       |       |       |       |
| Queenstown.                        |       |       |       |       |       |       |       |       |       | Weighted Average, Tasmania.          |       |       |       |       |       |       |       |       |       |
| Weighted Average, 6 Capital Towns. |       |       |       |       |       |       |       |       |       | Weighted Average 30 Towns, C'wealth. |       |       |       |       |       |       |       |       |       |
| 1912                               | 1,345 | 1,677 | 1,370 | 1,403 | 1,410 | 1,418 | 1,190 | 1,125 | 1,302 | 1,201                                | 1,289 | 1,182 | 1,139 | 1,095 | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 |
| 1913                               | 1,267 | 1,607 | 1,301 | 1,352 | 1,386 | 1,344 | 1,164 | 1,073 | 1,268 | 1,181                                | 1,291 | 1,149 | 1,111 | 1,089 | 1,106 | 1,106 | 1,106 | 1,106 | 1,106 |
| 1914                               | 1,302 | 1,654 | 1,316 | 1,393 | 1,453 | 1,382 | 1,212 | 1,130 | 1,290 | 1,205                                | 1,305 | 1,196 | 1,146 | 1,114 | 1,135 | 1,144 | 1,155 | 1,144 | 1,135 |
| 1915                               | 1,483 | 1,809 | 1,536 | 1,580 | 1,659 | 1,445 | 1,445 | 1,400 | 1,571 | 1,512                                | 1,581 | 1,456 | 1,414 | 1,381 | 1,428 | 1,495 | 1,501 | 1,481 | 1,461 |
| 1916                               | 1,542 | 1,823 | 1,570 | 1,666 | 1,652 | 1,608 | 1,523 | 1,504 | 1,652 | 1,611                                | 1,661 | 1,535 | 1,495 | 1,456 | 1,501 | 1,495 | 1,481 | 1,461 | 1,461 |
| 1917                               | 1,505 | 1,790 | 1,550 | 1,652 | 1,626 | 1,571 | 1,544 | 1,510 | 1,638 | 1,615                                | 1,647 | 1,548 | 1,479 | 1,441 | 1,481 | 1,479 | 1,461 | 1,461 | 1,461 |
| 1918                               | 1,486 | 1,784 | 1,479 | 1,598 | 1,598 | 1,553 | 1,635 | 1,575 | 1,732 | 1,625                                | 1,729 | 1,626 | 1,514 | 1,481 | 1,523 | 1,514 | 1,481 | 1,481 | 1,481 |
| 1919                               | 1,772 | 2,030 | 1,737 | 1,851 | 1,761 | 1,827 | 1,747 | 1,708 | 1,855 | 1,782                                | 1,883 | 1,740 | 1,716 | 1,722 | 1,722 | 1,716 | 1,722 | 1,716 | 1,722 |
| 1920                               | 2,050 | 2,302 | 2,069 | 2,065 | 2,071 | 2,103 | 2,162 | 2,108 | 2,274 | 2,069                                | 2,149 | 2,146 | 2,101 | 2,101 | 2,104 | 2,104 | 2,104 | 2,104 | 2,104 |
| 1912 1st Qtr.                      | 1,301 | 1,659 | 1,310 | 1,365 | 1,338 | 1,378 | 1,093 | 1,021 | 1,225 | 1,082                                | 1,192 | 1,083 | 1,049 | 1,065 | 1,108 | 1,115 | 1,125 | 1,108 | 1,113 |
| 2nd "                              | 1,408 | 1,730 | 1,435 | 1,441 | 1,439 | 1,477 | 1,145 | 1,110 | 1,270 | 1,159                                | 1,272 | 1,149 | 1,111 | 1,111 | 1,125 | 1,146 | 1,155 | 1,144 | 1,135 |
| 3rd "                              | 1,368 | 1,671 | 1,406 | 1,433 | 1,435 | 1,435 | 1,235 | 1,171 | 1,329 | 1,237                                | 1,341 | 1,226 | 1,160 | 1,160 | 1,176 | 1,160 | 1,176 | 1,160 | 1,176 |
| 4th "                              | 1,303 | 1,650 | 1,304 | 1,373 | 1,429 | 1,382 | 1,288 | 1,189 | 1,378 | 1,357                                | 1,352 | 1,267 | 1,170 | 1,170 | 1,182 | 1,170 | 1,182 | 1,170 | 1,182 |
| 1913 1st Qtr.                      | 1,275 | 1,595 | 1,298 | 1,349 | 1,384 | 1,346 | 1,168 | 1,062 | 1,259 | 1,182                                | 1,280 | 1,142 | 1,100 | 1,113 | 1,138 | 1,145 | 1,138 | 1,138 | 1,138 |
| 2nd "                              | 1,299 | 1,621 | 1,334 | 1,370 | 1,407 | 1,352 | 1,188 | 1,090 | 1,287 | 1,205                                | 1,331 | 1,171 | 1,117 | 1,129 | 1,158 | 1,168 | 1,158 | 1,158 | 1,158 |
| 3rd "                              | 1,248 | 1,622 | 1,298 | 1,359 | 1,387 | 1,334 | 1,170 | 1,086 | 1,266 | 1,194                                | 1,289 | 1,157 | 1,091 | 1,101 | 1,131 | 1,143 | 1,131 | 1,131 | 1,131 |
| 4th "                              | 1,243 | 1,590 | 1,274 | 1,328 | 1,368 | 1,319 | 1,139 | 1,051 | 1,259 | 1,143                                | 1,262 | 1,125 | 1,070 | 1,082 | 1,108 | 1,115 | 1,125 | 1,108 | 1,113 |
| 1914 1st Qtr.                      | 1,245 | 1,580 | 1,260 | 1,330 | 1,399 | 1,330 | 1,162 | 1,075 | 1,245 | 1,149                                | 1,285 | 1,146 | 1,104 | 1,115 | 1,140 | 1,148 | 1,140 | 1,140 | 1,140 |
| 2nd "                              | 1,296 | 1,617 | 1,315 | 1,373 | 1,439 | 1,368 | 1,231 | 1,133 | 1,280 | 1,193                                | 1,312 | 1,206 | 1,158 | 1,168 | 1,182 | 1,168 | 1,182 | 1,168 | 1,182 |
| 3rd "                              | 1,236 | 1,603 | 1,251 | 1,331 | 1,432 | 1,347 | 1,242 | 1,143 | 1,294 | 1,232                                | 1,311 | 1,201 | 1,161 | 1,174 | 1,182 | 1,161 | 1,182 | 1,161 | 1,182 |
| 4th "                              | 1,330 | 1,727 | 1,392 | 1,440 | 1,503 | 1,430 | 1,243 | 1,170 | 1,342 | 1,245                                | 1,311 | 1,201 | 1,161 | 1,174 | 1,182 | 1,161 | 1,182 | 1,161 | 1,182 |
| 1915 1st Qtr.                      | 1,420 | 1,747 | 1,473 | 1,483 | 1,596 | 1,476 | 1,293 | 1,225 | 1,377 | 1,302                                | 1,404 | 1,283 | 1,235 | 1,248 | 1,263 | 1,263 | 1,263 | 1,263 | 1,263 |
| 2nd "                              | 1,508 | 1,796 | 1,531 | 1,596 | 1,688 | 1,571 | 1,413 | 1,348 | 1,510 | 1,447                                | 1,523 | 1,405 | 1,354 | 1,378 | 1,384 | 1,378 | 1,384 | 1,378 | 1,384 |
| 3rd "                              | 1,546 | 1,882 | 1,571 | 1,654 | 1,711 | 1,623 | 1,413 | 1,328 | 1,713 | 1,647                                | 1,679 | 1,559 | 1,504 | 1,564 | 1,564 | 1,564 | 1,564 | 1,564 | 1,564 |
| 4th "                              | 1,460 | 1,812 | 1,488 | 1,586 | 1,641 | 1,542 | 1,384 | 1,328 | 1,583 | 1,509                                | 1,600 | 1,456 | 1,400 | 1,459 | 1,469 | 1,459 | 1,469 | 1,459 | 1,469 |
| 1916 1st Qtr.                      | 1,504 | 1,823 | 1,532 | 1,610 | 1,678 | 1,578 | 1,363 | 1,285 | 1,602 | 1,498                                | 1,687 | 1,530 | 1,480 | 1,540 | 1,549 | 1,549 | 1,549 | 1,549 | 1,549 |
| 2nd "                              | 1,564 | 1,825 | 1,567 | 1,654 | 1,676 | 1,623 | 1,355 | 1,239 | 1,693 | 1,632                                | 1,701 | 1,569 | 1,517 | 1,583 | 1,593 | 1,583 | 1,593 | 1,583 | 1,593 |
| 3rd "                              | 1,580 | 1,851 | 1,582 | 1,671 | 1,684 | 1,644 | 1,489 | 1,475 | 1,693 | 1,632                                | 1,701 | 1,569 | 1,517 | 1,583 | 1,593 | 1,583 | 1,593 | 1,583 | 1,593 |
| 4th "                              | 1,520 | 1,794 | 1,568 | 1,656 | 1,598 | 1,584 | 1,452 | 1,456 | 1,583 | 1,509                                | 1,600 | 1,456 | 1,400 | 1,459 | 1,469 | 1,459 | 1,469 | 1,459 | 1,469 |
| 1917 1st Qtr.                      | 1,500 | 1,755 | 1,526 | 1,648 | 1,609 | 1,590 | 1,443 | 1,487 | 1,599 | 1,567                                | 1,596 | 1,507 | 1,448 | 1,469 | 1,483 | 1,469 | 1,483 | 1,469 | 1,483 |
| 2nd "                              | 1,555 | 1,780 | 1,572 | 1,725 | 1,631 | 1,609 | 1,481 | 1,497 | 1,610 | 1,504                                | 1,622 | 1,503 | 1,451 | 1,473 | 1,493 | 1,473 | 1,493 | 1,473 | 1,493 |
| 3rd "                              | 1,485 | 1,790 | 1,496 | 1,671 | 1,620 | 1,557 | 1,383 | 1,503 | 1,632 | 1,490                                | 1,602 | 1,473 | 1,427 | 1,483 | 1,493 | 1,483 | 1,493 | 1,473 | 1,493 |
| 4th "                              | 1,480 | 1,834 | 1,485 | 1,562 | 1,623 | 1,559 | 1,370 | 1,500 | 1,709 | 1,670                                | 1,708 | 1,640 | 1,491 | 1,500 | 1,524 | 1,524 | 1,524 | 1,524 | 1,524 |
| 1918 1st Qtr.                      | 1,480 | 1,825 | 1,482 | 1,572 | 1,628 | 1,557 | 1,363 | 1,285 | 1,602 | 1,498                                | 1,687 | 1,530 | 1,480 | 1,540 | 1,549 | 1,549 | 1,549 | 1,549 | 1,549 |
| 2nd "                              | 1,535 | 1,792 | 1,526 | 1,657 | 1,634 | 1,593 | 1,354 | 1,239 | 1,693 | 1,632                                | 1,701 | 1,569 | 1,517 | 1,583 | 1,593 | 1,583 | 1,593 | 1,583 | 1,593 |
| 3rd "                              | 1,472 | 1,750 | 1,463 | 1,599 | 1,571 | 1,535 | 1,304 | 1,354 | 1,623 | 1,559                                | 1,654 | 1,507 | 1,457 | 1,483 | 1,493 | 1,483 | 1,493 | 1,473 | 1,493 |
| 4th "                              | 1,457 | 1,769 | 1,443 | 1,540 | 1,560 | 1,525 | 1,341 | 1,380 | 1,641 | 1,580                                | 1,684 | 1,530 | 1,480 | 1,540 | 1,549 | 1,549 | 1,549 | 1,549 | 1,549 |
| 1919 1st Qtr.                      | 1,540 | 1,811 | 1,521 | 1,638 | 1,594 | 1,598 | 1,463 | 1,609 | 1,707 | 1,637                                | 1,739 | 1,579 | 1,529 | 1,583 | 1,593 | 1,583 | 1,593 | 1,583 | 1,593 |
| 2nd "                              | 1,841 | 2,081 | 1,779 | 1,841 | 1,740 | 1,885 | 1,686 | 1,654 | 1,813 | 1,713                                | 1,872 | 1,683 | 1,632 | 1,683 | 1,693 | 1,683 | 1,693 | 1,683 | 1,693 |
| 3rd "                              | 1,913 | 2,145 | 1,866 | 2,034 | 1,874 | 1,961 | 1,730 | 1,710 | 1,850 | 1,713                                | 1,872 | 1,683 | 1,632 | 1,683 | 1,693 | 1,683 | 1,693 | 1,683 | 1,693 |
| 4th "                              | 1,791 | 2,116 | 1,781 | 1,939 | 1,828 | 1,863 | 1,684 | 1,660 | 1,961 | 1,900                                | 1,973 | 1,679 | 1,629 | 1,683 | 1,693 | 1,683 | 1,693 | 1,683 | 1,693 |
| 1920 1st Qtr.                      | 1,907 | 2,152 | 1,877 | 1,857 | 1,896 | 1,954 | 1,734 | 1,856 | 2,036 | 1,876                                | 1,996 | 1,916 | 1,860 | 1,886 | 1,886 | 1,886 | 1,886 | 1,886 | 1,886 |
| 2nd "                              | 2,121 | 2,355 | 2,133 | 2,106 | 2,155 | 2,169 | 2,000 | 2,017 | 2,103 | 2,001                                | 2,144 | 2,022 | 1,974 | 2,022 | 2,032 | 2,022 | 2,032 | 2,022 | 2,032 |
| 3rd "                              | 2,135 | 2,400 | 2,171 | 2,156 | 2,167 | 2,169 | 2,000 | 2,017 | 2,103 | 2,001                                | 2,144 | 2,022 | 1,974 | 2,022 | 2,032 | 2,022 | 2,032 | 2,022 | 2,032 |
| 4th "                              | 2,036 | 2,291 | 2,093 | 2,107 | 2,107 | 2,094 | 2,315 | 2,267 | 2,417 | 2,172                                | 2,187 | 2,292 | 2,174 | 2,182 | 2,182 | 2,182 | 2,182 | 2,182 | 2,182 |
| 1920                               | 1,831 | 2,112 | 1,781 | 1,812 | 1,838 | 1,886 | 1,550 | 1,850 | 2,029 | 1,892                                | 1,990 | 1,922 | 1,862 | 1,882 | 1,882 | 1,882 | 1,882 | 1,882 | 1,882 |
| January ..                         | 1,896 | 2,137 | 1,887 | 1,936 | 1,894 | 1,943 | 1,913 | 1,856 | 2,030 | 1,882                                | 1,988 | 1,904 | 1,881 | 1,893 | 1,893 | 1,893 | 1,893 | 1,893 | 1,893 |
| February ..                        | 1,994 | 2,206 | 1,964 | 1,986 | 1,956 | 2,033 | 1,940 | 1,860 | 2,040 | 1,876                                | 2,010 | 1,921 | 1,891 | 1,902 | 1,902 | 1,902 | 1,902 | 1,902 | 1,902 |
| March ..                           | 2,083 | 2,334 | 2,083 | 2,079 | 2,088 | 2,184 | 2,025 | 1,922 | 2,108 | 1,907                                | 2,085 | 1,996 | 2,004 | 2,004 | 2,004 | 2,004 | 2,004 | 2,004 | 2,004 |
| April ..                           | 2,121 | 2,311 | 2,138 | 2,100 | 2,112 | 2,210 | 2,095 | 2,034 | 2,188 | 2,068                                | 2,132 | 2,080 | 2,049 | 2,054 | 2,054 | 2,054 | 2,054 | 2,054 | 2,054 |
| May ..                             | 2,161 | 2,421 | 2,179 | 2,120 | 2,145 | 2,214 | 2,149 | 2,093 | 2,282 | 2,068                                | 2,214 | 2,138 | 2,107 | 2,117 | 2,117 | 2,117 | 2,117 | 2,117 | 2,117 |
| June ..                            | 2,182 | 2,459 | 2,196 | 2,146 | 2,165 | 2,238 | 2,231 | 2,198 | 2,425 | 2,148                                | 2,297 | 2,231 | 2,188 | 2,198 | 2,198 | 2,198 | 2,198 | 2,198 | 2,198 |
| July ..                            | 2,113 | 2,375 |       |       |       |       |       |       |       |                                      |       |       |       |       |       |       |       |       |       |
| August ..                          | 2,110 | 2,394 | 2,167 | 2,142 | 2,169 | 2,171 | 2,206 | 2,205 | 2,444 | 2,253                                | 2,293 | 2,227 | 2,225 | 2,225 | 2,225 | 2,225 | 2,225 | 2,225 | 2,225 |
| September ..                       | 2,096 | 2,352 | 2,168 | 2,172 | 2,157 | 2,166 | 2,388 | 2,395 | 2,502 | 2,333                                | 2,264 | 2,383 | 2,293 | 2,293 | 2,293 | 2,293 | 2,293 | 2,293 | 2,293 |
| October ..                         | 1,990 | 2,276 | 2,073 | 2,074 | 2,057 | 2,312 | 2,312 | 2,312 | 2,408 | 2,102                                | 2,102 | 2,383 | 2,293 | 2,293 | 2,293 | 2,293 | 2,293 | 2,293 | 2,293 |
| November ..                        | 2,020 | 2,244 | 2,038 | 2,077 | 2,089 | 2,070 | 2,246 | 2,134 | 2,342 | 2,080                                | 2,173 | 2,204 | 2,188 | 2,188 | 2,188 | 2,188 | 2,188 | 2,188 | 2,188 |
| December ..                        |       |       |       |       |       |       |       |       |       |                                      |       |       |       |       |       |       |       |       |       |

## House Rents. Index-Numbers for Each of Thirty Towns, with Weighted Average of Six Capital Towns in 1911 as Base (= 1000).

|               | N.S.W.—INDEX-NUMBERS. |            |               |           |           |                          | VICTORIA—INDEX-NUMBERS. |           |          |          |              |                             |
|---------------|-----------------------|------------|---------------|-----------|-----------|--------------------------|-------------------------|-----------|----------|----------|--------------|-----------------------------|
|               | Sydney.               | Newcastle. | Broken Hill.* | Goulburn. | Bathurst. | Weighted Average, N.S.W. | Melbourne.              | Ballarat. | Bendigo. | Geelong. | Warrnambool. | Weighted Average, Victoria. |
| 1912          | 1,183                 | 699        | 689           | 918       | 683       | 1,112                    | 1,016                   | 634       | 659      | 868      | 759          | 957                         |
| 1913          | 1,246                 | 785        | 775           | 995       | 802       | 1,179                    | 1,089                   | 630       | 674      | 860      | 778          | 1,017                       |
| 1914          | 1,279                 | 783        | 617           | 1,067     | 835       | 1,201                    | 1,126                   | 644       | 670      | 887      | 795          | 1,048                       |
| 1915          | 1,220                 | 800        | 292           | 1,110     | 771       | 1,140                    | 1,085                   | 638       | 653      | 878      | 772          | 1,013                       |
| 1916          | 1,212                 | 778        | 524           | 1,090     | 765       | 1,140                    | 1,089                   | 637       | 639      | 901      | 784          | 1,017                       |
| 1917          | 1,216                 | 771        | 651           | 1,120     | 777       | 1,148                    | 1,124                   | 628       | 642      | 937      | 794          | 1,046                       |
| 1918          | 1,252                 | 846        | 703           | 1,125     | 788       | 1,187                    | 1,180                   | 628       | 703      | 929      | 788          | 1,095                       |
| 1919          | 1,289                 | 1,048      | 731           | 1,156     | 853       | 1,238                    | 1,283                   | 640       | 723      | 1,002    | 891          | 1,185                       |
| 1920          | 1,415                 | 1,221      | 731           | 1,337     | 901       | 1,363                    | 1,45                    | 810       | 856      | 1,090    | 1,073        | 1,310                       |
| 1912 1st Qtr. | 1,115                 | 670        | 631           | 927       | 659       | 1,050                    | 985                     | 669       | 645      | 844      | 766          | 932                         |
| 2nd "         | 1,169                 | 670        | 648           | 927       | 659       | 1,097                    | 1,002                   | 677       | 664      | 873      | 766          | 949                         |
| 3rd "         | 1,230                 | 714        | 714           | 889       | 706       | 1,153                    | 1,031                   | 607       | 657      | 888      | 736          | 968                         |
| 4th "         | 1,218                 | 743        | 752           | 931       | 708       | 1,148                    | 1,047                   | 582       | 670      | 867      | 769          | 978                         |
| 1913 1st Qtr. | 1,222                 | 773        | 755           | 939       | 755       | 1,155                    | 1,069                   | 626       | 669      | 859      | 780          | 999                         |
| 2nd "         | 1,241                 | 792        | 770           | 1,020     | 774       | 1,175                    | 1,086                   | 632       | 671      | 859      | 776          | 1,014                       |
| 3rd "         | 1,246                 | 792        | 796           | 1,010     | 836       | 1,180                    | 1,099                   | 632       | 675      | 865      | 776          | 1,025                       |
| 4th "         | 1,275                 | 783        | 780           | 1,010     | 843       | 1,204                    | 1,105                   | 630       | 679      | 859      | 779          | 1,030                       |
| 1914 1st Qtr. | 1,273                 | 783        | 779           | 1,057     | 857       | 1,203                    | 1,120                   | 644       | 673      | 829      | 804          | 1,041                       |
| 2nd "         | 1,286                 | 783        | 780           | 1,058     | 845       | 1,214                    | 1,144                   | 644       | 678      | 906      | 810          | 1,064                       |
| 3rd "         | 1,285                 | 783        | 741           | 1,060     | 834       | 1,212                    | 1,147                   | 644       | 678      | 908      | 784          | 1,067                       |
| 4th "         | 1,271                 | 783        | 169           | 1,093     | 806       | 1,176                    | 1,093                   | 643       | 650      | 905      | 781          | 1,021                       |
| 1915 1st Qtr. | 1,228                 | 811        | 222           | 1,093     | 772       | 1,144                    | 1,092                   | 638       | 654      | 879      | 786          | 1,019                       |
| 2nd "         | 1,219                 | 811        | 293           | 1,098     | 772       | 1,140                    | 1,087                   | 638       | 657      | 880      | 789          | 1,015                       |
| 3rd "         | 1,219                 | 793        | 293           | 1,098     | 772       | 1,138                    | 1,079                   | 634       | 649      | 879      | 758          | 1,008                       |
| 4th "         | 1,213                 | 785        | 360           | 1,151     | 767       | 1,136                    | 1,081                   | 634       | 651      | 876      | 757          | 1,009                       |
| 1916 1st Qtr. | 1,208                 | 779        | 393           | 1,048     | 767       | 1,131                    | 1,088                   | 640       | 644      | 902      | 774          | 1,016                       |
| 2nd "         | 1,214                 | 779        | 454           | 1,100     | 763       | 1,139                    | 1,085                   | 638       | 644      | 901      | 784          | 1,013                       |
| 3rd "         | 1,214                 | 784        | 621           | 1,115     | 766       | 1,146                    | 1,088                   | 638       | 633      | 901      | 788          | 1,015                       |
| 4th "         | 1,214                 | 770        | 626           | 1,098     | 763       | 1,145                    | 1,097                   | 634       | 635      | 901      | 788          | 1,022                       |
| 1917 1st Qtr. | 1,213                 | 771        | 630           | 1,107     | 763       | 1,144                    | 1,115                   | 628       | 621      | 937      | 794          | 1,037                       |
| 2nd "         | 1,213                 | 770        | 645           | 1,124     | 781       | 1,147                    | 1,111                   | 628       | 635      | 937      | 793          | 1,035                       |
| 3rd "         | 1,213                 | 771        | 660           | 1,124     | 782       | 1,146                    | 1,129                   | 628       | 639      | 937      | 794          | 1,049                       |
| 4th "         | 1,223                 | 771        | 669           | 1,125     | 782       | 1,156                    | 1,143                   | 628       | 673      | 937      | 794          | 1,064                       |
| 1918 1st Qtr. | 1,238                 | 778        | 676           | 1,125     | 782       | 1,169                    | 1,152                   | 628       | 686      | 926      | 784          | 1,071                       |
| 2nd "         | 1,255                 | 805        | 698           | 1,125     | 782       | 1,186                    | 1,157                   | 628       | 699      | 926      | 781          | 1,075                       |
| 3rd "         | 1,251                 | 888        | 714           | 1,125     | 782       | 1,190                    | 1,181                   | 628       | 713      | 929      | 790          | 1,096                       |
| 4th "         | 1,262                 | 914        | 724           | 1,125     | 804       | 1,203                    | 1,230                   | 628       | 713      | 936      | 799          | 1,136                       |
| 1919 1st Qtr. | 1,272                 | 988        | 731           | 1,126     | 843       | 1,218                    | 1,249                   | 628       | 714      | 979      | 840          | 1,154                       |
| 2nd "         | 1,278                 | 998        | 731           | 1,137     | 856       | 1,224                    | 1,274                   | 633       | 718      | 995      | 849          | 1,176                       |
| 3rd "         | 1,291                 | 1,059      | 731           | 1,180     | 856       | 1,242                    | 1,282                   | 633       | 721      | 1,014    | 867          | 1,183                       |
| 4th "         | 1,316                 | 1,148      | 731           | 1,180     | 856       | 1,270                    | 1,327                   | 667       | 737      | 1,022    | 1,008        | 1,226                       |
| 1920 1st Qtr. | 1,366                 | 1,142      | 731           | 1,312     | 867       | 1,315                    | 1,357                   | 717       | 809      | 1,074    | 1,031        | 1,260                       |
| 2nd "         | 1,417                 | 1,196      | 731           | 1,298     | 901       | 1,362                    | 1,375                   | 769       | 859      | 1,085    | 1,066        | 1,283                       |
| 3rd "         | 1,416                 | 1,274      | 731           | 1,357     | 901       | 1,369                    | 1,425                   | 872       | 865      | 1,087    | 1,087        | 1,331                       |
| 4th "         | 1,459                 | 1,274      | 731           | 1,381     | 933       | 1,406                    | 1,464                   | 882       | 892      | 1,114    | 1,108        | 1,366                       |

\* See remarks *re* House Rent on page, 49.



House Rents. Index-Numbers for Each of Thirty Towns, with Weighted Average of Six Capital Towns in 1911 as Base (= 1000).—cont.

|               | QUEENSLAND—INDEX-NUMBERS. |            |              |                  |          |                               | SOUTH AUSTRALIA—INDEX-NUMBERS. |                              |              |              |                |                        |
|---------------|---------------------------|------------|--------------|------------------|----------|-------------------------------|--------------------------------|------------------------------|--------------|--------------|----------------|------------------------|
|               | Brisbane.                 | Toowoomba. | Rockhampton. | Charters Towers. | Warwick. | Weighted Average, Queensland. | Adelaide.                      | Kadina, Moonta and Wallaroo. | Port Pirie.* | Mt. Gambier. | Petersborough. | Weighted Average, S.A. |
| 1912          | 804                       | 800        | 705          | 601              | 803      | 777                           | 1,160                          | 576                          | 731          | 650          | 803            | 1,087                  |
| 1913          | 863                       | 751        | 758          | 592              | 719      | 814                           | 1,125                          | 588                          | 785          | 678          | 903            | 1,063                  |
| 1914          | 882                       | 753        | 762          | 589              | 659      | 826                           | 1,040                          | 602                          | 780          | 724          | 922            | 992                    |
| 1915          | 859                       | 744        | 759          | 586              | 629      | 808                           | 932                            | 612                          | 615          | 718          | 848            | 891                    |
| 1916          | 847                       | 705        | 766          | 584              | 642      | 796                           | 930                            | 660                          | 769          | 731          | 760            | 899                    |
| 1917          | 859                       | 724        | 786          | 632              | 711      | 815                           | 959                            | 701                          | 824          | 716          | 760            | 928                    |
| 1918          | 905                       | 795        | 796          | 670              | 777      | 859                           | 1,022                          | 746                          | 878          | 729          | 771            | 987                    |
| 1919          | 983                       | 831        | 807          | 701              | 811      | 921                           | 1,108                          | 791                          | 966          | 708          | 851            | 1,068                  |
| 1920          | 1,061                     | 969        | 826          | 731              | 884      | 955                           | 1,216                          | 829                          | 961          | 740          | 911            | 1,163                  |
| 1912 1st Qtr. | 802                       | 829        | 690          | 611              | 802      | 777                           | 1,165                          | 589                          | 724          | 641          | 805            | 1,091                  |
| 2nd "         | 804                       | 829        | 690          | 600              | 765      | 777                           | 1,172                          | 589                          | 724          | 641          | 805            | 1,097                  |
| 3rd "         | 809                       | 761        | 710          | 597              | 912      | 780                           | 1,160                          | 587                          | 733          | 652          | 805            | 1,086                  |
| 4th "         | 802                       | 780        | 730          | 597              | 732      | 773                           | 1,145                          | 585                          | 737          | 667          | 796            | 1,075                  |
| 1913 1st Qtr. | 840                       | 779        | 748          | 587              | 762      | 801                           | 1,148                          | 573                          | 758          | 667          | 844            | 1,078                  |
| 2nd "         | 860                       | 763        | 760          | 594              | 752      | 815                           | 1,147                          | 592                          | 772          | 676          | 895            | 1,080                  |
| 3rd "         | 860                       | 737        | 760          | 595              | 715      | 812                           | 1,116                          | 589                          | 800          | 672          | 936            | 1,056                  |
| 4th "         | 891                       | 726        | 763          | 593              | 647      | 830                           | 1,093                          | 596                          | 808          | 695          | 936            | 1,038                  |
| 1914 1st Qtr. | 882                       | 740        | 757          | 588              | 647      | 824                           | 1,075                          | 579                          | 823          | 703          | 936            | 1,023                  |
| 2nd "         | 891                       | 745        | 756          | 592              | 647      | 831                           | 1,069                          | 613                          | 844          | 722          | 940            | 1,021                  |
| 3rd "         | 890                       | 763        | 766          | 585              | 676      | 833                           | 1,052                          | 624                          | 844          | 737          | 943            | 1,008                  |
| 4th "         | 865                       | 763        | 767          | 585              | 667      | 816                           | 962                            | 594                          | 607          | 735          | 869            | 917                    |
| 1915 1st Qtr. | 853                       | 738        | 767          | 587              | 627      | 804                           | 942                            | 588                          | 607          | 713          | 865            | 899                    |
| 2nd "         | 866                       | 755        | 766          | 585              | 630      | 814                           | 924                            | 584                          | 607          | 718          | 865            | 883                    |
| 3rd "         | 860                       | 753        | 752          | 585              | 629      | 809                           | 929                            | 640                          | 607          | 717          | 869            | 890                    |
| 4th "         | 859                       | 729        | 752          | 585              | 630      | 805                           | 931                            | 634                          | 638          | 722          | 794            | 892                    |
| 1916 1st Qtr. | 841                       | 730        | 752          | 580              | 630      | 793                           | 928                            | 651                          | 686          | 727          | 760            | 892                    |
| 2nd "         | 844                       | 700        | 770          | 585              | 630      | 795                           | 929                            | 661                          | 764          | 733          | 760            | 898                    |
| 3rd "         | 848                       | 670        | 770          | 585              | 624      | 794                           | 931                            | 661                          | 813          | 734          | 760            | 902                    |
| 4th "         | 853                       | 719        | 770          | 585              | 683      | 804                           | 934                            | 669                          | 813          | 732          | 760            | 905                    |
| 1917 1st Qtr. | 855                       | 717        | 786          | 620              | 684      | 810                           | 953                            | 677                          | 818          | 713          | 760            | 921                    |
| 2nd "         | 861                       | 728        | 786          | 623              | 698      | 815                           | 953                            | 706                          | 826          | 713          | 760            | 923                    |
| 3rd "         | 861                       | 728        | 786          | 636              | 716      | 817                           | 960                            | 708                          | 826          | 711          | 760            | 930                    |
| 4th "         | 859                       | 723        | 786          | 649              | 744      | 817                           | 969                            | 714                          | 826          | 726          | 760            | 938                    |
| 1918 1st Qtr. | 885                       | 742        | 786          | 646              | 752      | 837                           | 982                            | 743                          | 832          | 726          | 760            | 951                    |
| 2nd "         | 887                       | 766        | 799          | 646              | 777      | 843                           | 1,016                          | 743                          | 838          | 730          | 766            | 979                    |
| 3rd "         | 920                       | 831        | 799          | 694              | 783      | 876                           | 1,037                          | 744                          | 874          | 730          | 766            | 1,000                  |
| 4th "         | 927                       | 843        | 799          | 694              | 795      | 882                           | 1,054                          | 752                          | 967          | 731          | 792            | 1,020                  |
| 1919 1st Qtr. | 954                       | 807        | 799          | 700              | 805      | 898                           | 1,083                          | 758                          | 967          | 708          | 822            | 1,045                  |
| 2nd "         | 960                       | 815        | 803          | 700              | 805      | 904                           | 1,111                          | 781                          | 967          | 708          | 861            | 1,070                  |
| 3rd "         | 983                       | 826        | 804          | 700              | 822      | 921                           | 1,113                          | 810                          | 964          | 708          | 861            | 1,073                  |
| 4th "         | 1,033                     | 878        | 820          | 706              | 813      | 962                           | 1,123                          | 813                          | 964          | 708          | 861            | 1,082                  |
| 1920 1st Qtr. | 1,035                     | 951        | 820          | 733              | 861      | 974                           | 1,154                          | 809                          | 964          | 734          | 887            | 1,109                  |
| 2nd "         | 1,059                     | 959        | 826          | 734              | 883      | 993                           | 1,204                          | 819                          | 964          | 739          | 902            | 1,153                  |
| 3rd "         | 1,066                     | 978        | 826          | 728              | 896      | 999                           | 1,245                          | 827                          | 964          | 739          | 919            | 1,188                  |
| 4th "         | 1,084                     | 989        | 832          | 728              | 896      | 1,014                         | 1,261                          | 859                          | 951          | 746          | 938            | 1,204                  |

\* See Remarks re House Rents on p. 49.



House Rents. Index-Numbers for Each of Thirty Towns, with Weighted Average of Six Capital Towns in 1911 as Base (= 1000)—*cont.*

|               | WESTERN AUSTRALIA—INDEX-NUMBERS. |             |                                 |          |            |                        | TASMANIA—INDEX-NUMBERS. |             |         |               |             |                            |                                   |                                       |
|---------------|----------------------------------|-------------|---------------------------------|----------|------------|------------------------|-------------------------|-------------|---------|---------------|-------------|----------------------------|-----------------------------------|---------------------------------------|
|               | Perth.                           | Kalgoorlie. | Midland Junction and Guildford. | Bunbury. | Geraldton. | Weighted Average, W.A. | Hobart.                 | Launceston. | Zeehan. | Beaconsfield. | Queenstown. | Weighted Average Tasmania. | Weighted Average 6 Capital Towns. | Weighted Average 130 Towns, C'wealth. |
| 1912 1st Qtr. | 880                              | 843         | 757                             | 674      | 1,033      | 866                    | 829                     | 819         | 450     | 291           | 557         | 769                        | 1,063                             | 997                                   |
| 1912 2nd "    | 928                              | 776         | 704                             | 696      | 1,017      | 892                    | 887                     | 836         | 442     | 264           | 557         | 804                        | 1,118                             | 1,042                                 |
| 1912 3rd "    | 914                              | 770         | 704                             | 707      | 1,017      | 892                    | 887                     | 837         | 438     | 251           | 557         | 804                        | 1,118                             | 1,042                                 |
| 1914 1st Qtr. | 928                              | 776         | 704                             | 707      | 1,017      | 892                    | 887                     | 836         | 442     | 264           | 557         | 804                        | 1,118                             | 1,042                                 |
| 1914 2nd "    | 928                              | 776         | 704                             | 707      | 1,017      | 892                    | 887                     | 836         | 442     | 264           | 557         | 804                        | 1,118                             | 1,042                                 |
| 1914 3rd "    | 914                              | 770         | 704                             | 707      | 1,017      | 892                    | 887                     | 836         | 442     | 264           | 557         | 804                        | 1,118                             | 1,042                                 |
| 1916 1st Qtr. | 870                              | 837         | 738                             | 569      | 978        | 852                    | 920                     | 882         | 290     | 210           | 686         | 838                        | 1,077                             | 1,004                                 |
| 1916 2nd "    | 869                              | 837         | 734                             | 569      | 969        | 851                    | 924                     | 883         | 291     | 210           | 686         | 841                        | 1,078                             | 1,006                                 |
| 1916 3rd "    | 868                              | 839         | 736                             | 570      | 972        | 851                    | 928                     | 893         | 301     | 210           | 686         | 843                        | 1,078                             | 1,003                                 |
| 1916 4th "    | 868                              | 839         | 719                             | 539      | 953        | 849                    | 940                     | 891         | 301     | 210           | 686         | 849                        | 1,084                             | 1,014                                 |
| 1917 1st Qtr. | 872                              | 835         | 711                             | 542      | 959        | 851                    | 945                     | 892         | 301     | 198           | 628         | 848                        | 1,092                             | 1,021                                 |
| 1917 2nd "    | 872                              | 837         | 707                             | 542      | 930        | 851                    | 951                     | 893         | 280     | 199           | 628         | 851                        | 1,092                             | 1,021                                 |
| 1917 3rd "    | 875                              | 837         | 707                             | 536      | 930        | 852                    | 953                     | 893         | 280     | 199           | 626         | 852                        | 1,099                             | 1,027                                 |
| 1917 4th "    | 875                              | 837         | 708                             | 526      | 952        | 853                    | 956                     | 899         | 280     | 205           | 626         | 855                        | 1,109                             | 1,036                                 |
| 1918 1st Qtr. | 883                              | 827         | 708                             | 495      | 928        | 854                    | 941                     | 906         | 292     | 198           | 621         | 849                        | 1,121                             | 1,047                                 |
| 1918 2nd "    | 884                              | 834         | 704                             | 495      | 928        | 856                    | 941                     | 917         | 293     | 198           | 616         | 852                        | 1,133                             | 1,058                                 |
| 1918 3rd "    | 884                              | 834         | 705                             | 494      | 928        | 856                    | 968                     | 948         | 313     | 205           | 616         | 855                        | 1,146                             | 1,073                                 |
| 1918 4th "    | 889                              | 836         | 705                             | 524      | 952        | 861                    | 972                     | 958         | 313     | 207           | 616         | 883                        | 1,170                             | 1,094                                 |
| 1919 1st Qtr. | 913                              | 836         | 705                             | 510      | 926        | 877                    | 1,061                   | 964         | 314     | 207           | 616         | 932                        | 1,189                             | 1,113                                 |
| 1919 2nd "    | 913                              | 836         | 705                             | 508      | 942        | 878                    | 1,067                   | 979         | 314     | 210           | 598         | 930                        | 1,124                             | 1,098                                 |
| 1919 3rd "    | 913                              | 836         | 705                             | 538      | 942        | 879                    | 1,173                   | 982         | 312     | 200           | 598         | 906                        | 1,216                             | 1,139                                 |
| 1919 4th "    | 926                              | 838         | 705                             | 577      | 954        | 889                    | 1,214                   | 999         | 312     | 202           | 598         | 1,023                      | 1,248                             | 1,171                                 |
| 1920 1st Qtr. | 961                              | 867         | 714                             | 599      | 966        | 921                    | 1,305                   | 1,068       | 313     | 196           | 614         | 1,096                      | 1,285                             | 1,206                                 |
| 1920 2nd "    | 983                              | 846         | 714                             | 601      | 982        | 932                    | 1,319                   | 1,077       | 366     | 196           | 617         | 1,124                      | 1,321                             | 1,238                                 |
| 1920 3rd "    | 1,019                            | 849         | 782                             | 620      | 981        | 961                    | 1,414                   | 1,117       | 366     | 198           | 622         | 1,171                      | 1,367                             | 1,265                                 |
| 1920 4th "    | 1,020                            | 840         | 796                             | 655      | 981        | 962                    | 1,422                   | 1,123       | 424     | 198           | 622         | 1,180                      | 1,379                             | 1,234                                 |

**Purchasing-Power of Money. (Food, Groceries and House Rent Combined).**  
**Price Index-Numbers\* for each of Thirty Towns, with Weighted Average for**  
**Six Capital Towns in 1911 as Base (= 1000).**

|               | N.S.W.—INDEX-NUMBERS. |            |               |           |           |                          | VICTORIA—INDEX-NUMBERS. |           |          |          |              |                             |
|---------------|-----------------------|------------|---------------|-----------|-----------|--------------------------|-------------------------|-----------|----------|----------|--------------|-----------------------------|
|               | Sydney.               | Newcastle. | Broken Hill.† | Goulburn. | Bathurst. | Weighted Average, N.S.W. | Melbourne.              | Ballarat. | Bendigo. | Geelong. | Warrnambool. | Weighted Average, Victoria. |
| 1912          | 1,148                 | 955        | 1,080         | 1,042     | 919       | 1,125                    | 1,055                   | 914       | 926      | 996      | 935          | 1,033                       |
| 1913          | 1,178                 | 986        | 1,110         | 1,087     | 950       | 1,155                    | 1,051                   | 865       | 900      | 972      | 934          | 1,023                       |
| 1914          | 1,206                 | 994        | 1,068         | 1,130     | 987       | 1,179                    | 1,105                   | 904       | 922      | 1,012    | 959          | 1,073                       |
| 1915          | 1,323                 | 1,147      | 1,087         | 1,274     | 1,104     | 1,277                    | 1,111                   | 1,110     | 1,182    | 1,157    | 1,157        | 1,249                       |
| 1916          | 1,394                 | 1,208      | 1,282         | 1,350     | 1,178     | 1,395                    | 1,309                   | 1,126     | 1,118    | 1,233    | 1,185        | 1,279                       |
| 1917          | 1,407                 | 1,222      | 1,315         | 1,338     | 1,193     | 1,383                    | 1,294                   | 1,083     | 1,093    | 1,221    | 1,168        | 1,262                       |
| 1918          | 1,427                 | 1,269      | 1,321         | 1,362     | 1,210     | 1,406                    | 1,349                   | 1,107     | 1,139    | 1,233    | 1,203        | 1,311                       |
| 1919          | 1,580                 | 1,493      | 1,419         | 1,524     | 1,340     | 1,562                    | 1,481                   | 1,198     | 1,215    | 1,347    | 1,311        | 1,436                       |
| 1920          | 1,847                 | 1,766      | 1,712         | 1,836     | 1,615     | 1,831                    | 1,788                   | 1,558     | 1,535    | 1,623    | 1,640        | 1,747                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1912 1st Qtr. | 1,069                 | 901        | 1,022         | 989       | 857       | 1,049                    | 987                     | 865       | 853      | 937      | 890          | 966                         |
| 2nd "         | 1,123                 | 923        | 1,049         | 1,011     | 893       | 1,099                    | 1,041                   | 901       | 922      | 981      | 929          | 1,020                       |
| 3rd "         | 1,209                 | 997        | 1,103         | 1,045     | 959       | 1,181                    | 1,105                   | 939       | 962      | 1,031    | 959          | 1,083                       |
| 4th "         | 1,194                 | 1,000      | 1,140         | 1,123     | 965       | 1,171                    | 1,086                   | 952       | 968      | 1,036    | 963          | 1,065                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1913 1st Qtr. | 1,171                 | 980        | 1,093         | 1,086     | 935       | 1,148                    | 1,049                   | 878       | 923      | 992      | 940          | 1,025                       |
| 2nd "         | 1,192                 | 1,001      | 1,130         | 1,120     | 956       | 1,170                    | 1,059                   | 878       | 920      | 984      | 947          | 1,033                       |
| 3rd "         | 1,176                 | 988        | 1,105         | 1,074     | 954       | 1,153                    | 1,053                   | 857       | 886      | 962      | 930          | 1,023                       |
| 4th "         | 1,174                 | 977        | 1,111         | 1,069     | 956       | 1,151                    | 1,043                   | 846       | 867      | 947      | 920          | 1,012                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1914 1st Qtr. | 1,201                 | 976        | 1,109         | 1,102     | 979       | 1,174                    | 1,066                   | 870       | 891      | 952      | 940          | 1,034                       |
| 2nd "         | 1,214                 | 1,001      | 1,158         | 1,142     | 1,008     | 1,190                    | 1,128                   | 907       | 936      | 1,040    | 965          | 1,095                       |
| 3rd "         | 1,208                 | 998        | 1,125         | 1,129     | 988       | 1,183                    | 1,120                   | 920       | 932      | 1,020    | 964          | 1,088                       |
| 4th "         | 1,203                 | 1,001      | 879           | 1,146     | 975       | 1,169                    | 1,106                   | 920       | 930      | 1,035    | 969          | 1,077                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1915 1st Qtr. | 1,229                 | 1,060      | 968           | 1,169     | 1,013     | 1,201                    | 1,147                   | 970       | 976      | 1,055    | 1,008        | 1,118                       |
| 2nd "         | 1,259                 | 1,095      | 1,066         | 1,217     | 1,056     | 1,234                    | 1,261                   | 1,094     | 1,088    | 1,155    | 1,135        | 1,232                       |
| 3rd "         | 1,406                 | 1,213      | 1,134         | 1,346     | 1,173     | 1,375                    | 1,377                   | 1,219     | 1,230    | 1,278    | 1,271        | 1,351                       |
| 4th "         | 1,400                 | 1,219      | 1,181         | 1,364     | 1,172     | 1,372                    | 1,322                   | 1,162     | 1,147    | 1,237    | 1,214        | 1,295                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1916 1st Qtr. | 1,419                 | 1,233      | 1,212         | 1,336     | 1,172     | 1,389                    | 1,337                   | 1,148     | 1,151    | 1,254    | 1,203        | 1,306                       |
| 2nd "         | 1,393                 | 1,202      | 1,263         | 1,362     | 1,185     | 1,368                    | 1,319                   | 1,146     | 1,136    | 1,258    | 1,196        | 1,291                       |
| 3rd "         | 1,388                 | 1,212      | 1,325         | 1,361     | 1,180     | 1,368                    | 1,300                   | 1,116     | 1,095    | 1,224    | 1,189        | 1,269                       |
| 4th "         | 1,374                 | 1,197      | 1,327         | 1,341     | 1,175     | 1,354                    | 1,280                   | 1,092     | 1,092    | 1,195    | 1,153        | 1,249                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1917 1st Qtr. | 1,381                 | 1,211      | 1,322         | 1,352     | 1,178     | 1,361                    | 1,280                   | 1,083     | 1,077    | 1,213    | 1,159        | 1,249                       |
| 2nd "         | 1,386                 | 1,217      | 1,331         | 1,334     | 1,188     | 1,366                    | 1,288                   | 1,084     | 1,100    | 1,232    | 1,171        | 1,258                       |
| 3rd "         | 1,434                 | 1,229      | 1,298         | 1,322     | 1,197     | 1,406                    | 1,300                   | 1,078     | 1,096    | 1,221    | 1,172        | 1,266                       |
| 4th "         | 1,425                 | 1,233      | 1,308         | 1,344     | 1,208     | 1,400                    | 1,308                   | 1,087     | 1,098    | 1,219    | 1,169        | 1,273                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1918 1st Qtr. | 1,424                 | 1,239      | 1,328         | 1,335     | 1,206     | 1,400                    | 1,326                   | 1,102     | 1,126    | 1,237    | 1,175        | 1,292                       |
| 2nd "         | 1,428                 | 1,258      | 1,364         | 1,361     | 1,217     | 1,407                    | 1,346                   | 1,112     | 1,161    | 1,250    | 1,208        | 1,312                       |
| 3rd "         | 1,406                 | 1,261      | 1,298         | 1,351     | 1,198     | 1,386                    | 1,339                   | 1,096     | 1,134    | 1,222    | 1,209        | 1,302                       |
| 4th "         | 1,449                 | 1,317      | 1,294         | 1,399     | 1,219     | 1,428                    | 1,383                   | 1,118     | 1,135    | 1,225    | 1,221        | 1,340                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1919 1st Qtr. | 1,525                 | 1,423      | 1,354         | 1,486     | 1,300     | 1,506                    | 1,436                   | 1,159     | 1,176    | 1,302    | 1,261        | 1,392                       |
| 2nd "         | 1,568                 | 1,455      | 1,390         | 1,494     | 1,327     | 1,547                    | 1,451                   | 1,163     | 1,194    | 1,317    | 1,269        | 1,406                       |
| 3rd "         | 1,571                 | 1,503      | 1,419         | 1,510     | 1,343     | 1,555                    | 1,472                   | 1,193     | 1,215    | 1,349    | 1,303        | 1,428                       |
| 4th "         | 1,656                 | 1,591      | 1,514         | 1,596     | 1,391     | 1,641                    | 1,567                   | 1,276     | 1,274    | 1,421    | 1,412        | 1,519                       |
| <hr/>         |                       |            |               |           |           |                          |                         |           |          |          |              |                             |
| 1920 1st Qtr. | 1,735                 | 1,640      | 1,547         | 1,685     | 1,454     | 1,715                    | 1,569                   | 1,328     | 1,331    | 1,453    | 1,436        | 1,530                       |
| 2nd "         | 1,820                 | 1,728      | 1,704         | 1,761     | 1,572     | 1,804                    | 1,758                   | 1,517     | 1,520    | 1,598    | 1,579        | 1,717                       |
| 3rd "         | 1,937                 | 1,837      | 1,795         | 1,979     | 1,704     | 1,921                    | 1,934                   | 1,711     | 1,668    | 1,728    | 1,765        | 1,890                       |
| 4th "         | 1,894                 | 1,859      | 1,801         | 1,919     | 1,727     | 1,886                    | 1,892                   | 1,675     | 1,622    | 1,711    | 1,778        | 1,850                       |

\* See footnote on page 37.

† See remarks *re* House Rent on page 49.

**Purchasing-Power of Money. (Food, Groceries and House Rent Combined.)**  
**Price Index-Numbers\* for each of Thirty Towns, with Weighted Average for**  
**Six Capital Towns in 1911 as Base (=1000).—cont.**

|               | QUEENSLAND—INDEX-NUMBERS. |            |              |                  |          |                               | SOUTH AUSTRALIA—INDEX-NUMBERS. |                              |              |              |                |                        |
|---------------|---------------------------|------------|--------------|------------------|----------|-------------------------------|--------------------------------|------------------------------|--------------|--------------|----------------|------------------------|
|               | Brisbane.                 | Toowoomba. | Rockhampton. | Charters Towers. | Warwick. | Weighted Average, Queensland. | Adelaide.                      | Kadina, Moonta and Wallaroo. | Port Pirie.† | Mt. Gambier. | Petersborough. | Weighted Average, S.A. |
| 1912          | 979                       | 977        | 962          | 1,008            | 1,004    | 981                           | 1,157                          | 917                          | 1,004        | 874          | 1,014          | 1,126                  |
| 1913          | 969                       | 924        | 940          | 957              | 928      | 959                           | 1,121                          | 913                          | 1,006        | 880          | 1,024          | 1,096                  |
| 1914          | 997                       | 950        | 988          | 988              | 912      | 988                           | 1,143                          | 960                          | 1,055        | 923          | 1,126          | 1,122                  |
| 1915          | 1,162                     | 1,133      | 1,154        | 1,151            | 1,067    | 1,155                         | 1,259                          | 1,139                        | 1,172        | 1,102        | 1,234          | 1,243                  |
| 1916          | 1,188                     | 1,133      | 1,216        | 1,182            | 1,102    | 1,182                         | 1,285                          | 1,204                        | 1,261        | 1,165        | 1,251          | 1,275                  |
| 1917          | 1,181                     | 1,116      | 1,163        | 1,187            | 1,124    | 1,172                         | 1,245                          | 1,193                        | 1,269        | 1,132        | 1,226          | 1,239                  |
| 1918          | 1,252                     | 1,208      | 1,224        | 1,277            | 1,240    | 1,247                         | 1,335                          | 1,231                        | 1,320        | 1,176        | 1,253          | 1,323                  |
| 1919          | 1,442                     | 1,402      | 1,408        | 1,454            | 1,398    | 1,434                         | 1,468                          | 1,330                        | 1,424        | 1,222        | 1,369          | 1,449                  |
| 1920          | 1,645                     | 1,576      | 1,557        | 1,557            | 1,568    | 1,619                         | 1,756                          | 1,571                        | 1,630        | 1,468        | 1,607          | 1,728                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1912 1st Qtr. | 975                       | 998        | 970          | 1,014            | 995      | 980                           | 1,127                          | 895                          | 982          | 838          | 993            | 1,096                  |
| 2nd "         | 976                       | 989        | 960          | 1,009            | 995      | 979                           | 1,157                          | 918                          | 1,006        | 862          | 999            | 1,126                  |
| 3rd "         | 984                       | 954        | 955          | 1,001            | 1,058    | 981                           | 1,183                          | 935                          | 1,009        | 894          | 1,032          | 1,146                  |
| 4th "         | 984                       | 966        | 967          | 1,010            | 965      | 982                           | 1,164                          | 943                          | 1,017        | 904          | 1,030          | 1,135                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1913 1st Qtr. | 956                       | 920        | 934          | 968              | 949      | 951                           | 1,133                          | 907                          | 992          | 874          | 1,000          | 1,104                  |
| 2nd "         | 978                       | 930        | 945          | 969              | 966      | 969                           | 1,146                          | 927                          | 1,014        | 889          | 1,026          | 1,118                  |
| 3rd "         | 966                       | 923        | 932          | 947              | 917      | 955                           | 1,116                          | 912                          | 1,013        | 888          | 1,043          | 1,092                  |
| 4th "         | 976                       | 922        | 948          | 945              | 879      | 962                           | 1,092                          | 904                          | 1,005        | 868          | 1,025          | 1,069                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1914 1st Qtr. | 977                       | 939        | 965          | 959              | 908      | 969                           | 1,118                          | 913                          | 1,022        | 896          | 1,072          | 1,094                  |
| 2nd "         | 990                       | 928        | 973          | 983              | 898      | 979                           | 1,176                          | 939                          | 1,086        | 925          | 1,147          | 1,153                  |
| 3rd "         | 1,005                     | 943        | 999          | 978              | 912      | 993                           | 1,156                          | 981                          | 1,103        | 932          | 1,164          | 1,137                  |
| 4th "         | 1,018                     | 992        | 1,014        | 1,029            | 930      | 1,013                         | 1,122                          | 957                          | 1,009        | 940          | 1,120          | 1,102                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1915 1st Qtr. | 1,053                     | 1,026      | 1,058        | 1,079            | 977      | 1,051                         | 1,162                          | 1,024                        | 1,075        | 993          | 1,152          | 1,145                  |
| 2nd "         | 1,132                     | 1,111      | 1,116        | 1,155            | 1,060    | 1,128                         | 1,267                          | 1,136                        | 1,164        | 1,117        | 1,248          | 1,250                  |
| 3rd "         | 1,208                     | 1,183      | 1,173        | 1,153            | 1,096    | 1,194                         | 1,325                          | 1,220                        | 1,235        | 1,177        | 1,304          | 1,310                  |
| 4th "         | 1,255                     | 1,212      | 1,269        | 1,218            | 1,133    | 1,245                         | 1,282                          | 1,174                        | 1,212        | 1,148        | 1,234          | 1,268                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1916 1st Qtr. | 1,259                     | 1,216      | 1,289        | 1,227            | 1,156    | 1,252                         | 1,295                          | 1,205                        | 1,253        | 1,171        | 1,253          | 1,283                  |
| 2nd "         | 1,205                     | 1,144      | 1,247        | 1,209            | 1,107    | 1,201                         | 1,309                          | 1,220                        | 1,282        | 1,192        | 1,272          | 1,299                  |
| 3rd "         | 1,147                     | 1,090      | 1,169        | 1,142            | 1,065    | 1,141                         | 1,278                          | 1,202                        | 1,256        | 1,162        | 1,245          | 1,269                  |
| 4th "         | 1,140                     | 1,083      | 1,160        | 1,149            | 1,077    | 1,135                         | 1,257                          | 1,188                        | 1,251        | 1,134        | 1,231          | 1,249                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1917 1st Qtr. | 1,146                     | 1,065      | 1,138        | 1,163            | 1,068    | 1,137                         | 1,261                          | 1,200                        | 1,269        | 1,128        | 1,231          | 1,253                  |
| 2nd "         | 1,163                     | 1,095      | 1,153        | 1,181            | 1,096    | 1,154                         | 1,257                          | 1,216                        | 1,285        | 1,142        | 1,246          | 1,252                  |
| 3rd "         | 1,189                     | 1,126      | 1,171        | 1,189            | 1,142    | 1,180                         | 1,221                          | 1,171                        | 1,254        | 1,122        | 1,208          | 1,216                  |
| 4th "         | 1,225                     | 1,179      | 1,190        | 1,215            | 1,191    | 1,215                         | 1,242                          | 1,183                        | 1,267        | 1,134        | 1,219          | 1,236                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1918 1st Qtr. | 1,216                     | 1,133      | 1,197        | 1,244            | 1,188    | 1,208                         | 1,295                          | 1,231                        | 1,302        | 1,160        | 1,252          | 1,287                  |
| 2nd "         | 1,237                     | 1,168      | 1,214        | 1,256            | 1,220    | 1,229                         | 1,364                          | 1,239                        | 1,315        | 1,191        | 1,259          | 1,348                  |
| 3rd "         | 1,254                     | 1,234      | 1,215        | 1,286            | 1,257    | 1,251                         | 1,332                          | 1,220                        | 1,303        | 1,177        | 1,238          | 1,319                  |
| 4th "         | 1,301                     | 1,297      | 1,270        | 1,321            | 1,294    | 1,299                         | 1,349                          | 1,232                        | 1,359        | 1,175        | 1,265          | 1,336                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1919 1st Qtr. | 1,398                     | 1,386      | 1,372        | 1,400            | 1,379    | 1,393                         | 1,418                          | 1,282                        | 1,405        | 1,194        | 1,330          | 1,402                  |
| 2nd "         | 1,401                     | 1,369      | 1,380        | 1,430            | 1,374    | 1,397                         | 1,459                          | 1,303                        | 1,411        | 1,200        | 1,356          | 1,439                  |
| 3rd "         | 1,423                     | 1,373      | 1,380        | 1,490            | 1,382    | 1,418                         | 1,463                          | 1,326                        | 1,405        | 1,221        | 1,362          | 1,444                  |
| 4th "         | 1,543                     | 1,479      | 1,499        | 1,496            | 1,455    | 1,526                         | 1,531                          | 1,409                        | 1,476        | 1,271        | 1,429          | 1,513                  |
| <hr/>         |                           |            |              |                  |          |                               |                                |                              |              |              |                |                        |
| 1920 1st Qtr. | 1,613                     | 1,577      | 1,555        | 1,578            | 1,518    | 1,598                         | 1,585                          | 1,435                        | 1,488        | 1,297        | 1,474          | 1,562                  |
| 2nd "         | 1,652                     | 1,575      | 1,550        | 1,543            | 1,574    | 1,622                         | 1,753                          | 1,544                        | 1,617        | 1,441        | 1,610          | 1,723                  |
| 3rd "         | 1,677                     | 1,605      | 1,577        | 1,565            | 1,604    | 1,648                         | 1,868                          | 1,660                        | 1,714        | 1,569        | 1,689          | 1,837                  |
| 4th "         | 1,637                     | 1,547      | 1,544        | 1,540            | 1,575    | 1,609                         | 1,816                          | 1,645                        | 1,700        | 1,565        | 1,654          | 1,791                  |

\* See footnote on page 37.

† See remarks *re* House Rent on page 49.

**Purchasing-Power of Money. (Food, Groceries and House Rent Combined.)**  
**Price Index-Numbers\* for each of Thirty Towns, with Weighted Average for**  
**Six Capital Towns in 1911 as Base (=1000)—cont.**

|               | WESTERN AUSTRALIA—INDEX-NUMBERS. |             |                                       |          |            |                              | TASMANIA—INDEX-NUMBERS. |             |         |               |             |                                   | Weighted Average<br>6 Capital Towns. | Weighted Average<br>30 Towns,<br>C'wealth. |
|---------------|----------------------------------|-------------|---------------------------------------|----------|------------|------------------------------|-------------------------|-------------|---------|---------------|-------------|-----------------------------------|--------------------------------------|--|
|               | Perth.                           | Kalgoorlie. | Midland<br>Junction and<br>Guildford. | Bunbury. | Geraldton. | Weighted<br>Average,<br>W.A. | Hobart.                 | Launceston. | Zeelan. | Beaconsfield. | Queenstown. | Weighted<br>Average,<br>Tasmania. |                                      |  |
| 1912          | 1,154                            | 1,334       | 1,123                                 | 1,104    | 1,255      | 1,191                        | 1,042                   | 999         | 952     | 827           | 988         | 1,012                             | 1,101                                | 1,080                                      |
| 1913          | 1,128                            | 1,270       | 1,101                                 | 1,082    | 1,259      | 1,158                        | 1,053                   | 971         | 928     | 804           | 989         | 1,007                             | 1,104                                | 1,080                                      |
| 1914          | 1,143                            | 1,291       | 1,104                                 | 1,111    | 1,315      | 1,175                        | 1,090                   | 1,014       | 898     | 813           | 1,021       | 1,041                             | 1,140                                | 1,113                                      |
| 1915          | 1,222                            | 1,398       | 1,204                                 | 1,194    | 1,386      | 1,261                        | 1,233                   | 1,190       | 1,048   | 991           | 1,208       | 1,199                             | 1,278                                | 1,255                                      |
| 1916          | 1,266                            | 1,418       | 1,226                                 | 1,214    | 1,372      | 1,297                        | 1,278                   | 1,253       | 1,095   | 1,034         | 1,260       | 1,251                             | 1,324                                | 1,301                                      |
| 1917          | 1,246                            | 1,398       | 1,186                                 | 1,193    | 1,349      | 1,275                        | 1,301                   | 1,258       | 1,083   | 1,034         | 1,228       | 1,261                             | 1,318                                | 1,294                                      |
| 1918          | 1,239                            | 1,393       | 1,161                                 | 1,144    | 1,323      | 1,267                        | 1,356                   | 1,310       | 1,145   | 1,040         | 1,272       | 1,313                             | 1,362                                | 1,336                                      |
| 1919          | 1,420                            | 1,545       | 1,313                                 | 1,309    | 1,425      | 1,438                        | 1,496                   | 1,409       | 1,222   | 1,105         | 1,357       | 1,431                             | 1,510                                | 1,481                                      |
| 1920          | 1,617                            | 1,706       | 1,523                                 | 1,465    | 1,621      | 1,627                        | 1,837                   | 1,692       | 1,493   | 1,300         | 1,521       | 1,734                             | 1,785                                | 1,753                                      |
| 1912 1st Qtr. | 1,116                            | 1,333       | 1,068                                 | 1,082    | 1,203      | 1,160                        | 978                     | 939         | 907     | 761           | 933         | 951                               | 1,038                                | 1,023                                      |
| 2nd "         | 1,184                            | 1,373       | 1,146                                 | 1,126    | 1,266      | 1,222                        | 1,010                   | 991         | 937     | 806           | 980         | 991                               | 1,087                                | 1,068                                      |
| 3rd "         | 1,176                            | 1,326       | 1,150                                 | 1,120    | 1,291      | 1,210                        | 1,073                   | 1,023       | 968     | 846           | 1,017       | 1,040                             | 1,146                                | 1,120                                      |
| 4th "         | 1,143                            | 1,306       | 1,130                                 | 1,087    | 1,265      | 1,177                        | 1,107                   | 1,039       | 997     | 894           | 1,022       | 1,066                             | 1,130                                | 1,110                                      |
| 1913 1st Qtr. | 1,126                            | 1,284       | 1,098                                 | 1,075    | 1,252      | 1,159                        | 1,053                   | 964         | 931     | 805           | 983         | 1,005                             | 1,101                                | 1,078                                      |
| 2nd "         | 1,145                            | 1,272       | 1,121                                 | 1,091    | 1,273      | 1,172                        | 1,064                   | 981         | 947     | 819           | 1,012       | 1,019                             | 1,117                                | 1,093                                      |
| 3rd "         | 1,118                            | 1,274       | 1,100                                 | 1,087    | 1,261      | 1,152                        | 1,053                   | 979         | 935     | 812           | 986         | 1,010                             | 1,103                                | 1,078                                      |
| 4th "         | 1,123                            | 1,249       | 1,085                                 | 1,076    | 1,251      | 1,149                        | 1,041                   | 959         | 899     | 782           | 975         | 994                               | 1,096                                | 1,071                                      |
| 1914 1st Qtr. | 1,112                            | 1,245       | 1,069                                 | 1,076    | 1,288      | 1,141                        | 1,056                   | 976         | 887     | 785           | 987         | 1,008                             | 1,117                                | 1,090                                      |
| 2nd "         | 1,143                            | 1,269       | 1,101                                 | 1,106    | 1,314      | 1,170                        | 1,099                   | 1,015       | 897     | 804           | 1,029       | 1,046                             | 1,154                                | 1,127                                      |
| 3rd "         | 1,164                            | 1,314       | 1,125                                 | 1,131    | 1,357      | 1,197                        | 1,091                   | 1,025       | 891     | 828           | 1,034       | 1,046                             | 1,150                                | 1,124                                      |
| 4th "         | 1,152                            | 1,334       | 1,121                                 | 1,131    | 1,301      | 1,191                        | 1,112                   | 1,041       | 916     | 834           | 1,034       | 1,064                             | 1,140                                | 1,113                                      |
| 1915 1st Qtr. | 1,193                            | 1,361       | 1,178                                 | 1,158    | 1,359      | 1,231                        | 1,141                   | 1,073       | 934     | 867           | 1,088       | 1,095                             | 1,174                                | 1,151                                      |
| 2nd "         | 1,235                            | 1,394       | 1,211                                 | 1,211    | 1,402      | 1,270                        | 1,214                   | 1,159       | 1,012   | 938           | 1,179       | 1,174                             | 1,247                                | 1,226                                      |
| 3rd "         | 1,255                            | 1,439       | 1,237                                 | 1,238    | 1,413      | 1,296                        | 1,290                   | 1,265       | 1,132   | 1,071         | 1,271       | 1,264                             | 1,358                                | 1,333                                      |
| 4th "         | 1,206                            | 1,399       | 1,188                                 | 1,170    | 1,370      | 1,248                        | 1,286                   | 1,262       | 1,114   | 1,083         | 1,293       | 1,262                             | 1,333                                | 1,310                                      |
| 1916 1st Qtr. | 1,243                            | 1,418       | 1,206                                 | 1,182    | 1,390      | 1,280                        | 1,317                   | 1,276       | 1,116   | 1,045         | 1,276       | 1,281                             | 1,350                                | 1,325                                      |
| 2nd "         | 1,278                            | 1,419       | 1,219                                 | 1,208    | 1,386      | 1,305                        | 1,296                   | 1,274       | 1,115   | 1,059         | 1,284       | 1,270                             | 1,333                                | 1,310                                      |
| 3rd "         | 1,287                            | 1,435       | 1,258                                 | 1,257    | 1,375      | 1,318                        | 1,359                   | 1,236       | 1,087   | 1,032         | 1,256       | 1,234                             | 1,316                                | 1,294                                      |
| 4th "         | 1,262                            | 1,402       | 1,219                                 | 1,206    | 1,335      | 1,282                        | 1,342                   | 1,224       | 1,062   | 1,005         | 1,224       | 1,217                             | 1,300                                | 1,276                                      |
| 1917 1st Qtr. | 1,242                            | 1,377       | 1,191                                 | 1,194    | 1,342      | 1,269                        | 1,268                   | 1,245       | 1,066   | 1,004         | 1,198       | 1,236                             | 1,302                                | 1,279                                      |
| 2nd "         | 1,274                            | 1,393       | 1,217                                 | 1,239    | 1,351      | 1,297                        | 1,263                   | 1,243       | 1,068   | 1,021         | 1,213       | 1,235                             | 1,309                                | 1,287                                      |
| 3rd "         | 1,234                            | 1,399       | 1,171                                 | 1,204    | 1,345      | 1,267                        | 1,295                   | 1,253       | 1,076   | 1,041         | 1,236       | 1,257                             | 1,328                                | 1,301                                      |
| 4th "         | 1,232                            | 1,424       | 1,166                                 | 1,136    | 1,359      | 1,269                        | 1,377                   | 1,289       | 1,122   | 1,068         | 1,264       | 1,317                             | 1,334                                | 1,310                                      |
| 1918 1st Qtr. | 1,235                            | 1,415       | 1,164                                 | 1,129    | 1,341      | 1,268                        | 1,364                   | 1,304       | 1,125   | 1,061         | 1,264       | 1,315                             | 1,345                                | 1,320                                      |
| 2nd "         | 1,268                            | 1,398       | 1,188                                 | 1,179    | 1,344      | 1,290                        | 1,356                   | 1,310       | 1,150   | 1,045         | 1,266       | 1,313                             | 1,365                                | 1,339                                      |
| 3rd "         | 1,230                            | 1,373       | 1,152                                 | 1,145    | 1,307      | 1,256                        | 1,337                   | 1,302       | 1,147   | 1,014         | 1,270       | 1,300                             | 1,349                                | 1,325                                      |
| 4th "         | 1,223                            | 1,386       | 1,140                                 | 1,123    | 1,302      | 1,252                        | 1,366                   | 1,324       | 1,156   | 1,041         | 1,289       | 1,325                             | 1,387                                | 1,359                                      |
| 1919 1st Qtr. | 1,283                            | 1,410       | 1,186                                 | 1,145    | 1,319      | 1,302                        | 1,434                   | 1,344       | 1,187   | 1,049         | 1,336       | 1,372                             | 1,454                                | 1,426                                      |
| 2nd "         | 1,459                            | 1,570       | 1,338                                 | 1,293    | 1,417      | 1,471                        | 1,440                   | 1,376       | 1,197   | 1,075         | 1,335       | 1,387                             | 1,491                                | 1,462                                      |
| 3rd "         | 1,502                            | 1,607       | 1,389                                 | 1,419    | 1,496      | 1,516                        | 1,501                   | 1,411       | 1,218   | 1,092         | 1,348       | 1,433                             | 1,506                                | 1,480                                      |
| 4th "         | 1,436                            | 1,591       | 1,339                                 | 1,379    | 1,469      | 1,463                        | 1,609                   | 1,506       | 1,284   | 1,203         | 1,408       | 1,532                             | 1,587                                | 1,558                                      |
| 1920 1st Qtr. | 1,518                            | 1,624       | 1,339                                 | 1,340    | 1,514      | 1,530                        | 1,676                   | 1,532       | 1,340   | 1,186         | 1,428       | 1,579                             | 1,636                                | 1,606                                      |
| 2nd "         | 1,654                            | 1,735       | 1,550                                 | 1,484    | 1,648      | 1,661                        | 1,785                   | 1,631       | 1,442   | 1,259         | 1,516       | 1,682                             | 1,766                                | 1,734                                      |
| 3rd "         | 1,676                            | 1,763       | 1,600                                 | 1,525    | 1,679      | 1,688                        | 1,940                   | 1,809       | 1,593   | 1,393         | 1,594       | 1,839                             | 1,891                                | 1,856                                      |
| 4th "         | 1,618                            | 1,695       | 1,560                                 | 1,510    | 1,614      | 1,623                        | 1,948                   | 1,797       | 1,598   | 1,361         | 1,544       | 1,835                             | 1,848                                | 1,817                                      |

\* See footnote on page 37.

(i.) *Food and Groceries (46 commodities).*—Information as to variations in prices of Group I. (Groceries), Group II. (Dairy Produce), and Group III. (Meat) are collected monthly, and in the tables on pp. 37 to 39 the index-numbers for the combined expenditure on the three groups are given at yearly, quarterly, and (for 1920) at monthly intervals.

(ii.) *House Rent.*—Information as to variations in housing accommodation is collected quarterly, and index-numbers at yearly and quarterly periods are given in the tables on pp 40 to 42.

(iii.) *Food, Groceries, and House Rent combined.*—The tables on pp. 43 to 45 furnish comparisons in the form of index-numbers of the variations in the combined expenditure on the 46 items of food and groceries and housing accommodation at yearly and quarterly periods for 1912 to 1920 inclusive. It should be observed that the index-numbers in these tables are comparable in every respect in so far as they relate to the capital towns with those given on page 30 for the respective groups, and where they relate to the same period are of course identical in both tables. Thus for the years 1912 to 1920 inclusive, the index-numbers for the six capital towns are (as they should be) the same in both sets of tables.

The last columns in each of the above tables refer to the weighted average for the thirty towns. The method of computing these weighted average index-numbers is explained in Report No. 1, page 35. The population weights used in the computations are as follows :—

**Population Weights used in Computation of Index-Numbers in different towns in order to arrive at the Weighted Average for each State and for the Commonwealth, with Weighted Average for all Towns as Base.**

| Town.       | Weight. | Town.     | Weight. | Town.      | Weight. | Town.       | Weight. | Town.         | Weight. | Town.        | Weight. |
|-------------|---------|-----------|---------|------------|---------|-------------|---------|---------------|---------|--------------|---------|
| Sydney      | 633     | Melbourne | 590     | Brisbane   | 140     | Adelaide    | 190     | Perth, etc.   | 105     | Hobart       | 42      |
| Newcastle   | 62      | Ballarat  | 53      | T'woomba   | 20      | Kadina, etc | 12      | Kalg'lie, etc | 31      | Launceston   | 25      |
| Br'ken Hill | 31      | Bendigo   | 44      | R'k'hmtm   | 21      | Pt. Pirie   | 11      | Mid.Jn., etc  | 7       | Q'ntown      | 5       |
| Goulburn    | 13      | Geelong   | 34      | Chtrs Twrs | 17      | Mt. Gamb'r  | 7       | Bunbury       | 4       | Zeehan       | 4       |
| Bathurst    | 9       | W'nambol  | 9       | Warwick    | 6       | Peterbor'gh | 3       | Geraldton     | 4       | Beac'nsfield | 3       |

(iv.) *Care to Avoid Erroneous Comparisons.*—It is, of course, obvious that the index-numbers given in the separate parts of the table cannot be directly compared with each other, in order to shew the relative cost of (say) house rent and groceries and food, since the weighted average cost in 1911 is in each case made equal to 1000, although the cost is, of course, not the same.

**7. Relative Cost of Food and Groceries and Housing Accommodation in Different Towns, 1920.**—The figures given in the following table shew the relative index-numbers for 1920 in the thirty towns for which particulars are regularly collected. The index-numbers are comparable in all respects, and further, it will be observed that the index-numbers in the last column of the table are identical for each town with those given in the table on pages 43 to 45 for the year 1920. The first column

gives the relative expenditure on groceries and food. The second, third, fourth, and fifth columns give comparative information with regard to expenditure on house rent for houses of four, five, and six rooms, and for all houses respectively, while the remaining columns give similar information for food and groceries, combined with house rent of each class of house indicated.

1920.—Index-Numbers, shewing Relative Cost in each of Thirty Towns, of Food and Groceries and House Rent (including 4, 5, and 6-roomed Houses, and all Houses), compared with Weighted Average Expenditure on Groceries, Food and Rent (all Houses) in the Six Capital Towns in 1911 as Base (= 1000).

| TOWN.                           | Groceries and Food. | HOUSE RENT.              |                          |                         |                              | GROCERIES, FOOD AND RENT, INCLUDING HOUSES HAVING— |             |            |                              |
|---------------------------------|---------------------|--------------------------|--------------------------|-------------------------|------------------------------|--|-------------|------------|------------------------------|
|                                 |                     | Four-roomed Houses only. | Five-roomed Houses only. | Six-roomed Houses only. | All Houses Weighted Average. | Four Rooms.  | Five Rooms. | Six Rooms. | All Houses Weighted Average. |
| NEW SOUTH WALES—                |                     |                          |                          |                         |                              |  |             |            |                              |
| Sydney .. ..                    | 1,266               | 465                      | 543                      | 639                     | 581                          | 1,731  | 1,809       | 1,905      | 1,847                        |
| Newcastle .. ..                 | 1,264               | 363                      | 515                      | 652                     | 502                          | 1,627  | 1,779       | 1,916      | 1,766                        |
| Broken Hill*                    | 1,412               | 281                      | 352                      | 438                     | 300                          | 1,693  | 1,764       | 1,850      | 1,712                        |
| Goulburn .. ..                  | 1,287               | 330                      | 429                      | 634                     | 549                          | 1,617  | 1,716       | 1,921      | 1,836                        |
| Bathurst .. ..                  | 1,245               | 243                      | 330                      | 426                     | 370                          | 1,488  | 1,575       | 1,671      | 1,615                        |
| Weighted Average ..             | 1,271               | 444                      | 529                      | 630                     | 560                          | 1,715  | 1,800       | 1,901      | 1,831                        |
| VICTORIA—                       |                     |                          |                          |                         |                              |  |             |            |                              |
| Melbourne .. ..                 | 1,211               | 409                      | 530                      | 660                     | 577                          | 1,620  | 1,741       | 1,871      | 1,788                        |
| Ballarat .. ..                  | 1,225               | 188                      | 275                      | 370                     | 333                          | 1,413  | 1,500       | 1,595      | 1,558                        |
| Bendigo .. ..                   | 1,183               | 230                      | 318                      | 430                     | 352                          | 1,413  | 1,501       | 1,613      | 1,535                        |
| Geelong .. ..                   | 1,175               | 312                      | 418                      | 511                     | 448                          | 1,487  | 1,593       | 1,688      | 1,623                        |
| Warrnambool ..                  | 1,199               | 323                      | 427                      | 520                     | 441                          | 1,522  | 1,626       | 1,719      | 1,640                        |
| Weighted Average ..             | 1,209               | 376                      | 492                      | 616                     | 538                          | 1,585  | 1,701       | 1,825      | 1,747                        |
| QUEENSLAND—                     |                     |                          |                          |                         |                              |  |             |            |                              |
| Brisbane .. ..                  | 1,209               | 285                      | 374                      | 480                     | 436                          | 1,494  | 1,583       | 1,689      | 1,645                        |
| Toowoomba .. ..                 | 1,178               | 245                      | 324                      | 405                     | 398                          | 1,423  | 1,502       | 1,583      | 1,576                        |
| Rockhampton ..                  | 1,217               | 217                      | 272                      | 365                     | 340                          | 1,434  | 1,489       | 1,582      | 1,557                        |
| Charters Towers ..              | 1,253               | 241                      | 306                      | 366                     | 301                          | 1,497  | 1,562       | 1,622      | 1,557                        |
| Warwick .. ..                   | 1,205               | 208                      | 299                      | 393                     | 363                          | 1,413  | 1,504       | 1,598      | 1,568                        |
| Weighted Average ..             | 1,210               | 269                      | 351                      | 449                     | 409                          | 1,479  | 1,561       | 1,659      | 1,619                        |
| SOUTH AUSTRALIA—                |                     |                          |                          |                         |                              |  |             |            |                              |
| Adelaide .. ..                  | 1,256               | 368                      | 488                      | 626                     | 500                          | 1,624  | 1,744       | 1,882      | 1,756                        |
| Moonta, etc. ..                 | 1,231               | 252                      | 330                      | 438                     | 340                          | 1,483  | 1,561       | 1,669      | 1,571                        |
| Port Pirie* .. ..               | 1,235               | 350                      | 420                      | 457                     | 395                          | 1,585  | 1,655       | 1,692      | 1,630                        |
| Mt. Gambier ..                  | 1,164               | 221                      | 282                      | 389                     | 304                          | 1,385  | 1,446       | 1,538      | 1,468                        |
| Peterborough ..                 | 1,232               | 289                      | 373                      | 444                     | 375                          | 1,521  | 1,608       | 1,676      | 1,607                        |
| Weighted Average ..             | 1,250               | 356                      | 469                      | 597                     | 478                          | 1,606  | 1,719       | 1,847      | 1,728                        |
| WESTERN AUSTRALIA—              |                     |                          |                          |                         |                              |  |             |            |                              |
| Perth, etc. .. ..               | 1,208               | 346                      | 438                      | 528                     | 409                          | 1,554  | 1,646       | 1,736      | 1,617                        |
| Kalgoorlie, etc. ..             | 1,356               | 380                      | 438                      | 502                     | 350                          | 1,716  | 1,794       | 1,858      | 1,706                        |
| Mid. Junction, etc. ..          | 1,219               | 246                      | 323                      | 402                     | 309                          | 1,465  | 1,542       | 1,621      | 1,523                        |
| Bunbury .. ..                   | 1,210               | 273                      | 329                      | 355                     | 255                          | 1,483  | 1,539       | 1,565      | 1,465                        |
| Geraldton .. ..                 | 1,220               | 379                      | 464                      | 583                     | 401                          | 1,599  | 1,634       | 1,803      | 1,621                        |
| Weighted Average ..             | 1,239               | 343                      | 431                      | 514                     | 388                          | 1,582  | 1,670       | 1,753      | 1,627                        |
| TASMANIA—                       |                     |                          |                          |                         |                              |  |             |            |                              |
| Hobart .. ..                    | 1,273               | 448                      | 538                      | 618                     | 564                          | 1,721  | 1,811       | 1,891      | 1,837                        |
| Launceston .. ..                | 1,242               | 310                      | 441                      | 513                     | 450                          | 1,552  | 1,683       | 1,755      | 1,692                        |
| Zeehan .. ..                    | 1,339               | 164                      | 221                      | 262                     | 154                          | 1,503  | 1,560       | 1,601      | 1,493                        |
| Beaconsfield ..                 | 1,219               | 61                       | 88                       | 97                      | 81                           | 1,280  | 1,307       | 1,316      | 1,300                        |
| Queenstown ..                   | 1,266               | 233                      | 336                      | 362                     | 255                          | 1,529  | 1,602       | 1,628      | 1,521                        |
| Weighted Average ..             | 1,264               | 363                      | 461                      | 531                     | 470                          | 1,627  | 1,725       | 1,795      | 1,734                        |
| Commonwealth                    |                     |                          |                          |                         |                              |  |             |            |                              |
| Weighted Average 30 Towns .. .. | 1,239               | 385                      | 484                      | 593                     | 514                          | 1,624  | 1,723       | 1,832      | 1,753                        |

\* See Remarks on page 49 with reference to house rents.

The weighted average for all houses is obtained separately for each of the thirty towns by "weighting" the rent paid for each class of house by the number of houses in each respective class in each town. If houses of only one particular size are included, different results may be obtained. This is evident when it is remembered that the distribution of houses according to number of rooms is substantially different in some of the towns; that is to say, there are a greater number of large, and therefore of relatively more expensive, houses in some towns than in others, and *vice versa*, and consequently the weighted average rents in the former class of town refer to a larger size of house than in the latter class. Separate results are accordingly given for the several classes of houses specified in the table.

The figures in the last four columns furnish results for expenditure on groceries and food, combined with expenditure on rent, for each of the three classes of houses indicated, and also for the weighted average for all houses.

Some few words as to the proper interpretation of the preceding table may not be out of place. The total expenditure in each town for food and groceries, as well as the average rental paid, is multiplied by a number representing the population of the town, and a weighted average expenditure for all towns is thus computed. The weights used are given on page 46. The relative expenditure in each town for (a) food and groceries, (b) house rents, and (c) food, groceries, and house rent combined, is shewn, the base of the table being the weighted average expenditure in the six capital towns for 1911 = 1000. Thus in each horizontal line the sum of the index-number for food and groceries and that for rent of houses of each specified size is equal to the index-number for food, groceries, and house rent combined, taking the corresponding house-rent group. The table is comparable in all respects, and in addition shews the proportionate cost of food and groceries and of rent. For example, taking the last line in the table on the preceding page, it may be seen that taking the weighted average expenditure for all the towns on food, groceries, and average rents to be £1753, the expenditure on food and groceries alone is £1239 (1st column), and the average rental £514 (5th column), the sum of the two latter amounts being £1753. Again, if it be desired to ascertain the relative expenditure for food and groceries and rent of four-roomed houses, it will be found the figures are £1239 and £385, which, together amount to £1624 (6th column). In addition to shewing the relative cost of food and groceries and house rent (for different classes of houses) in each town individually, the table also furnishes comparisons as to the relative cost of these items as between the several towns. Thus taking food and groceries only (1st column), it may be seen that commodities which would cost £1266 in Sydney can be purchased for £1211 in Melbourne, or £1256 in Adelaide. Again, taking the combined expenditure on food, groceries, and house rent for houses of five rooms (7th column), it will be seen that an expenditure of £1741 in Melbourne is equivalent to an expenditure of £1809 in Sydney, £1744 in Adelaide, £1794 in Kalgoorlie, or £1684 in Geraldton.

The index-numbers are reversible, and may be used for comparisons as to purchasing-power of money as between any of the towns included. Thus if it be ascertained that the average rental of five-roomed



houses in Melbourne is, say, 20s. 1d. weekly, and the average rental of the same class of house in Bendigo is required, all that is necessary is to multiply the rental in Melbourne by the index-number for five-roomed houses in Bendigo and divide by the index-number for Melbourne (3rd column), 20s. 1d.  $\times \frac{318}{530} = 12s. 1d.$ , which will be found to be the average rental of five-roomed houses in Bendigo (see Appendix II.).

(i.) *Food and Groceries.*—As regards food and groceries it may be seen that the weighted average of the five towns was above the weighted average for all towns for 1920 in New South Wales, South Australia, and Tasmania; equal to the average in Western Australia, and lower in the remaining States. The most expensive towns are Broken Hill in New South Wales, and Kalgoorlie in Western Australia, Broken Hill being 14.0 per cent., and Kalgoorlie 9.4 per cent. above the weighted average for all towns.

(ii.) *House Rent.*—It will be seen that for house rents of four-roomed houses, Sydney, Melbourne and Hobart are the most expensive towns. For rentals of five-roomed houses, Sydney, Hobart and Melbourne are highest, while for six-roomed houses, rentals are highest in Melbourne, Newcastle and Sydney. Taking the weighted average of all houses, Sydney, Melbourne and Hobart are the most expensive towns, and comparing house rents of any size of house given or of the weighted average of all houses, Beaconsfield and Zeehan, in Tasmania, are the cheapest.

With reference to house rents in Broken Hill and Port Pirie, it is necessary to observe that for some time after the outbreak of war a number of houses were occupied at purely nominal or reduced rentals by families of which the wage-earner was out of employment. It was not until the latter half of 1916 that enquiries elicited the fact that normal conditions again obtained. In 1919 and 1920 industrial troubles in Broken Hill caused similar conditions to obtain as in 1914-15. It must be borne in mind, therefore, that for the years 1914, 1915, 1916, 1919 and 1920 the average rents in these towns have been computed in accordance with special investigations which have been made each quarter.

(iii.) *Food and Groceries and House Rent combined.*—The last column in the foregoing table shews the relative cost according to average prices of the commodities and housing accommodation in each town during 1920. It may be seen that the average cost was greatest in Sydney, followed by Hobart, Goulburn and Melbourne. The index-number for Sydney was 5.4 per cent., Hobart 4.8 per cent., Goulburn 4.7 per cent., and Melbourne 2.0 per cent. above the weighted average cost for all towns. The cost was least in Beaconsfield and Bunbury, 25.8 and 16.4 per cent. respectively below the weighted average cost for all towns.

8. *Purchasing-Power of Money.*—In the following table the average cost for the six capital towns in the year 1911 has again been taken as base. This base has been taken as equal to 20s. instead of 1000 as in the former tables. The figures shew the variations in purchasing-power of money from year to year in each town separately (in the vertical lines), and the relative cost in the several towns in each year (in the horizontal lines). It may be seen, for instance, that 20s. 7d. in Sydney in 1911 was equivalent to 18s. 4d. in Brisbane, or 19s. 1d. in Hobart; or that 35s. 2d. in Melbourne for the second quarter of 1920 was equivalent to 15s. 5d. in Brisbane in 1901, or 22s. 6d. in Perth in 1913.



**Measurement of Change in the Purchasing-Power of Money.**—Amounts necessary on the Average in each Year from 1901 to 1921 (2nd Quarter) to purchase in each Capital Town what would have cost on the Average £1 in 1911 in the Australian Capitals regarded as a whole.\*

| Year, |             |    | Sydney. | Melb'ne. | Brisbane | Adelaide | Perth. | Hobart. | Weighted<br>Average of 6<br>Capital Towns |
|-------|-------------|----|---------|----------|----------|----------|--------|---------|---|
|       |             |    | s. d.   | s. d.    | s. d.    | s. d.    | s. d.  | s. d.   | s. d.                                     |
| 1901  | ..          | .. | 17 10   | 17 5     | 15 5     | 17 3     | 20 6   | 17 5    | 17 7                                      |
| 1902  | ..          | .. | 19 7    | 18 1     | 16 0     | 17 3     | 21 7   | 17 10   | 18 7                                      |
| 1903  | ..          | .. | 19 2    | 17 7     | 15 9     | 16 9     | 21 8   | 17 11   | 18 2                                      |
| 1904  | ..          | .. | 17 5    | 17 1     | 14 8     | 16 3     | 20 10  | 17 1    | 17 2                                      |
| 1905  | ..          | .. | 18 9    | 17 7     | 15 5     | 17 6     | 20 11  | 17 9    | 18 0                                      |
| 1906  | ..          | .. | 18 8    | 17 7     | 15 7     | 17 10    | 20 5   | 18 0    | 18 0                                      |
| 1907  | ..          | .. | 18 6    | 17 6     | 15 11    | 17 11    | 19 9   | 17 9    | 17 11                                     |
| 1908  | ..          | .. | 19 9    | 18 6     | 17 1     | 19 1     | 20 0   | 18 5    | 19 0                                      |
| 1909  | ..          | .. | 19 9    | 18 1     | 17 0     | 19 10    | 19 9   | 19 0    | 19 0                                      |
| 1910  | ..          | .. | 19 11   | 18 10    | 17 6     | 20 2     | 20 6   | 19 0    | 19 5                                      |
| 1911  | ..          | .. | 20 7    | 19 0     | 18 4     | 21 2     | 22 6   | 19 1    | 20 0†                                     |
| 1912  | ..          | .. | 22 11   | 21 1     | 19 7     | 23 2     | 23 1   | 20 10   | 22 0                                      |
| 1913  | ..          | .. | 23 7    | 21 0     | 19 5     | 22 5     | 22 6   | 21 1    | 22 1                                      |
| 1914  | ..          | .. | 24 1    | 22 1     | 19 11    | 22 10    | 22 10  | 21 10   | 22 10                                     |
| 1915  | ..          | .. | 26 6    | 25 6     | 23 3     | 25 2     | 24 5   | 24 8    | 25 7                                      |
| 1916  | ..          | .. | 27 10   | 26 2     | 23 9     | 25 8     | 25 4   | 25 7    | 26 6                                      |
| 1917  | ..          | .. | 28 1    | 25 11    | 23 7     | 24 11    | 24 11  | 26 0    | 26 4                                      |
| 1918  | ..          | .. | 28 6    | 27 0     | 25 1     | 26 8     | 24 9   | 27 1    | 27 3                                      |
| 1919  | ..          | .. | 31 7    | 29 7     | 28 10    | 29 4     | 28 5   | 29 11   | 30 2                                      |
| 1920  | ..          | .. | 36 11   | 35 9     | 32 11    | 35 1     | 32 4   | 36 9    | 35 8                                      |
| 1912  | 1st Quarter |    | 21 4    | 19 9     | 19 6     | 22 6     | 22 4   | 19 7    | 20 9                                      |
|       | 2nd         | "  | 22 5    | 20 10    | 19 6     | 23 2     | 23 8   | 20 2    | 21 9                                      |
|       | 3rd         | "  | 24 1    | 22 1     | 19 8     | 23 8     | 23 6   | 21 5    | 22 11                                     |
|       | 4th         | "  | 23 10   | 21 8     | 19 8     | 23 3     | 22 10  | 22 2    | 22 7                                      |
| 1913  | 1st         | "  | 23 5    | 21 0     | 19 1     | 22 8     | 22 6   | 21 1    | 22 0                                      |
|       | 2nd         | "  | 23 10   | 21 2     | 19 7     | 22 11    | 22 11  | 21 3    | 22 4                                      |
|       | 3rd         | "  | 23 6    | 21 1     | 19 4     | 22 4     | 22 4   | 21 1    | 22 1                                      |
|       | 4th         | "  | 23 6    | 20 10    | 19 6     | 21 10    | 22 5   | 20 10   | 21 11                                     |
| 1914  | 1st         | "  | 24 0    | 21 4     | 19 7     | 22 4     | 22 3   | 21 1    | 22 4                                      |
|       | 2nd         | "  | 24 3    | 22 7     | 19 9     | 23 6     | 22 10  | 22 0    | 23 1                                      |
|       | 3rd         | "  | 24 2    | 22 5     | 20 1     | 23 2     | 23 3   | 21 10   | 23 0                                      |
|       | 4th         | "  | 24 1    | 22 1     | 20 4     | 22 5     | 23 0   | 22 3    | 22 10                                     |
| 1915  | 1st         | "  | 24 7    | 22 11    | 21 1     | 23 3     | 23 10  | 22 10   | 23 6                                      |
|       | 2nd         | "  | 25 2    | 25 3     | 22 8     | 25 4     | 24 8   | 24 3    | 24 11                                     |
|       | 3rd         | "  | 28 1    | 27 6     | 24 2     | 26 6     | 25 1   | 25 10   | 27 2                                      |
|       | 4th         | "  | 28 0    | 26 5     | 25 1     | 25 8     | 24 1   | 25 9    | 26 8                                      |
| 1916  | 1st         | "  | 28 4    | 26 9     | 25 2     | 25 11    | 24 10  | 26 4    | 27 0                                      |
|       | 2nd         | "  | 27 10   | 26 5     | 24 1     | 26 2     | 25 7   | 25 11   | 26 8                                      |
|       | 3rd         | "  | 27 9    | 26 0     | 22 11    | 25 7     | 25 9   | 25 2    | 26 4                                      |
|       | 4th         | "  | 27 6    | 25 7     | 22 10    | 25 2     | 25 1   | 24 10   | 26 0                                      |
| 1917  | 1st         | "  | 27 7    | 25 7     | 22 11    | 25 3     | 24 10  | 25 4    | 26 0                                      |
|       | 2nd         | "  | 27 9    | 25 9     | 23 3     | 25 2     | 25 6   | 25 3    | 26 2                                      |
|       | 3rd         | "  | 28 8    | 26 0     | 23 9     | 24 5     | 24 8   | 25 11   | 26 7                                      |
|       | 4th         | "  | 28 6    | 26 2     | 24 6     | 24 10    | 24 8   | 27 6    | 26 8                                      |
| 1918  | 1st         | "  | 28 6    | 26 6     | 24 4     | 25 11    | 24 8   | 27 3    | 26 11                                     |
|       | 2nd         | "  | 28 7    | 26 11    | 24 9     | 27 3     | 25 4   | 27 1    | 27 4                                      |
|       | 3rd         | "  | 28 1    | 26 9     | 25 1     | 26 8     | 24 7   | 26 9    | 27 0                                      |
|       | 4th         | "  | 29 0    | 27 8     | 26 0     | 27 0     | 24 6   | 27 4    | 27 9                                      |
| 1919  | 1st         | "  | 30 6    | 28 9     | 27 11    | 28 4     | 25 8   | 28 8    | 29 1                                      |
|       | 2nd         | "  | 31 4    | 29 1     | 28 1     | 29 2     | 29 2   | 28 10   | 29 10                                     |
|       | 3rd         | "  | 31 5    | 29 5     | 28 6     | 29 3     | 30 1   | 30 0    | 30 2                                      |
|       | 4th         | "  | 33 1    | 31 4     | 30 10    | 30 8     | 28 9   | 32 2    | 31 9                                      |
| 1920  | 1st         | "  | 34 8    | 31 5     | 32 3     | 31 8     | 30 4   | 33 6    | 32 9                                      |
|       | 2nd         | "  | 36 5    | 35 2     | 33 0     | 35 1     | 33 1   | 35 8    | 35 4                                      |
|       | 3rd         | "  | 38 9    | 38 8     | 33 6     | 37 4     | 33 6   | 38 10   | 37 10                                     |
|       | 4th         | "  | 37 11   | 37 10    | 32 9     | 36 4     | 32 4   | 39 0    | 36 11                                     |
| 1921  | 1st         | "  | 37 0    | 37 7     | 31 11    | 35 10    | 34 0   | 38 0    | 36 6                                      |
|       | 2nd         | "  | 34 7    | 35 3     | 30 5     | 34 0     | 33 5   | 36 4    | 34 5                                      |

\* These results are based upon the regimen referred to on pp. 24-6 herein, which includes food, groceries and housing accommodation. † Basis of Table.

(i.) *Groceries and Food only.*—The following table has been computed in the same manner as that indicated above, but relates to

groceries and food (46 items) only. The average expenditure for the six capital towns in 1911 has again been taken as the basis of the table (=20s.), and the figures are, of course, comparable throughout.

**Measurement of Change in the Purchasing-Power of Money.—Groceries and Food only.**—Amount necessary on the Average in each Year from 1901 to 1921 (2nd Quarter) to purchase in each Capital Town what would have cost on the Average £1 in 1911 in the Australian Capitals regarded as a whole.\*

| Year            | Sydney. | Melb'ne. | Brisbane. | Adelaide. | Perth. | Hobart. | Weighted<br>Average of 6<br>Capital Towns |
|-----------------|---------|----------|-----------|-----------|--------|---------|---|
|                 | s. d.   | s. d.    | s. d.     | s. d.     | s. d.  | s. d.   | s. d.                                     |
| 1901 .. ..      | 18 4    | 19 4     | 19 4      | 20 7      | 23 8   | 20 3    | 19 4                                      |
| 1902 .. ..      | 21 4    | 20 4     | 20 4      | 20 6      | 25 6   | 21 0    | 21 1                                      |
| 1903 .. ..      | 20 7    | 19 6     | 19 9      | 19 8      | 25 8   | 21 1    | 20 4                                      |
| 1904 .. ..      | 17 6    | 18 4     | 17 10     | 18 10     | 24 3   | 19 8    | 18 5                                      |
| 1905 .. ..      | 19 5    | 19 1     | 18 11     | 19 10     | 25 2   | 20 7    | 19 8                                      |
| 1906 .. ..      | 19 3    | 18 11    | 19 2      | 19 8      | 24 9   | 20 11   | 19 7                                      |
| 1907 .. ..      | 18 9    | 18 6     | 18 11     | 19 0      | 23 11  | 20 2    | 19 1                                      |
| 1908 .. ..      | 20 7    | 19 11    | 20 6      | 20 2      | 24 6   | 21 1    | 20 7                                      |
| 1909 .. ..      | 20 3    | 19 0     | 19 8      | 20 6      | 24 3   | 21 10   | 20 1                                      |
| 1910 .. ..      | 20 0    | 19 2     | 20 0      | 20 0      | 25 0   | 21 6    | 20 1                                      |
| 1911 .. ..      | 19 9    | 18 8     | 20 4      | 20 5      | 26 11  | 21 2    | 20 0†                                     |
| 1912 .. ..      | 22 6    | 21 8     | 22 0      | 23 1      | 26 11  | 23 10   | 22 6                                      |
| 1913 .. ..      | 22 8    | 20 6     | 20 10     | 22 5      | 25 4   | 23 3    | 21 11                                     |
| 1914 .. ..      | 23 1    | 21 10    | 21 7      | 24 4      | 26 0   | 24 3    | 22 11                                     |
| 1915 .. ..      | 27 11   | 28 3     | 27 6      | 29 9      | 29 8   | 28 11   | 28 4                                      |
| 1916 .. ..      | 30 5    | 29 3     | 28 6      | 30 8      | 30 10  | 30 5    | 29 11                                     |
| 1917 .. ..      | 30 10   | 28 3     | 28 2      | 28 11     | 30 1   | 30 11   | 29 5                                      |
| 1918 .. ..      | 31 0    | 29 4     | 29 11     | 31 1      | 29 9   | 32 8    | 30 3                                      |
| 1919 .. ..      | 35 8    | 32 5     | 35 3      | 34 5      | 35 5   | 35 0    | 34 4                                      |
| 1920 .. ..      | 43 0    | 41 1     | 41 1      | 42 8      | 41 0   | 43 3    | 42 0                                      |
| 1912 { 1st Qt'r | 20 9    | 19 9     | 21 11     | 22 0      | 26 0   | 21 10   | 21 0                                      |
| 1912 { 2nd "    | 21 10   | 21 5     | 21 11     | 22 11     | 28 2   | 22 11   | 22 3                                      |
| 1912 { 3rd "    | 23 11   | 23 2     | 22 1      | 23 10     | 27 4   | 24 8    | 23 9                                      |
| 1912 { 4th "    | 23 6    | 22 3     | 22 3      | 23 6      | 26 1   | 25 9    | 23 2                                      |
| 1913 { 1st "    | 22 9    | 20 9     | 20 9      | 22 5      | 25 6   | 23 2    | 22 0                                      |
| 1913 { 2nd "    | 23 2    | 20 10    | 21 2      | 22 11     | 26 0   | 23 9    | 22 4                                      |
| 1913 { 3rd "    | 22 7    | 20 5     | 20 10     | 22 4      | 25 0   | 23 5    | 21 10                                     |
| 1913 { 4th "    | 22 1    | 20 0     | 20 8      | 21 10     | 24 11  | 22 9    | 21 5                                      |
| 1914 { 1st "    | 23 0    | 20 7     | 20 11     | 22 11     | 24 11  | 23 3    | 22 1                                      |
| 1914 { 2nd "    | 23 3    | 22 4     | 21 2      | 25 0      | 25 11  | 24 7    | 23 2                                      |
| 1914 { 3rd "    | 23 1    | 22 0     | 21 8      | 24 7      | 26 9   | 24 3    | 23 0                                      |
| 1914 { 4th "    | 23 1    | 22 4     | 22 6      | 24 8      | 26 7   | 24 10   | 23 3                                      |
| 1915 { 1st "    | 24 7    | 23 9     | 23 11     | 26 4      | 28 5   | 25 10   | 24 8                                      |
| 1915 { 2nd "    | 25 9    | 27 8     | 26 4      | 30 2      | 30 2   | 28 3    | 27 3                                      |
| 1915 { 3rd "    | 30 9    | 31 8     | 29 0      | 32 0      | 30 11  | 30 10   | 31 1                                      |
| 1915 { 4th "    | 30 7    | 29 10    | 30 8      | 30 6      | 29 2   | 30 8    | 30 3                                      |
| 1916 { 1st "    | 31 4    | 30 2     | 31 0      | 31 0      | 30 1   | 31 10   | 30 10                                     |
| 1916 { 2nd "    | 30 4    | 29 8     | 29 1      | 31 6      | 31 3   | 31 1    | 30 2                                      |
| 1916 { 3rd "    | 30 2    | 29 0     | 27 1      | 30 5      | 31 7   | 29 9    | 29 7                                      |
| 1916 { 4th "    | 29 8    | 28 2     | 26 10     | 29 8      | 30 5   | 29 1    | 28 11                                     |
| 1917 { 1st "    | 30 0    | 27 11    | 27 0      | 29 6      | 30 0   | 29 10   | 28 11                                     |
| 1917 { 2nd "    | 30 1    | 28 3     | 27 6      | 29 4      | 31 1   | 29 8    | 29 3                                      |
| 1917 { 3rd "    | 31 9    | 28 5     | 28 5      | 28 1      | 29 8   | 30 8    | 29 9                                      |
| 1917 { 4th "    | 31 4    | 28 5     | 29 7      | 28 8      | 29 7   | 33 5    | 29 10                                     |
| 1918 { 1st "    | 31 1    | 28 11    | 28 11     | 30 3      | 29 7   | 33 2    | 30 0                                      |
| 1918 { 2nd "    | 31 0    | 29 7     | 29 8      | 32 2      | 30 8   | 32 11   | 30 6                                      |
| 1918 { 3rd "    | 30 3    | 29 0     | 29 9      | 30 9      | 29 5   | 31 11   | 29 10                                     |
| 1918 { 4th "    | 31 7    | 29 10    | 31 3      | 31 1      | 29 2   | 32 10   | 30 9                                      |
| 1919 { 1st "    | 34 0    | 31 3     | 34 2      | 33 0      | 30 10  | 33 10   | 32 9                                      |
| 1919 { 2nd "    | 35 5    | 31 6     | 34 2      | 34 0      | 36 10  | 33 9    | 33 10                                     |
| 1919 { 3rd "    | 35 4    | 32 1     | 34 7      | 34 2      | 38 3   | 34 7    | 34 2                                      |
| 1919 { 4th "    | 37 10   | 34 8     | 38 0      | 36 4      | 35 10  | 37 8    | 36 6                                      |
| 1920 { 1st "    | 39 10   | 34 4     | 40 4      | 37 9      | 38 2   | 38 8    | 37 7                                      |
| 1920 { 2nd "    | 42 0    | 40 6     | 41 4      | 42 9      | 42 5   | 41 10   | 41 7                                      |
| 1920 { 3rd "    | 46 0    | 45 9     | 42 1      | 46 1      | 42 8   | 46 2    | 45 5                                      |
| 1920 { 4th "    | 44 0    | 43 10    | 40 5      | 44 1      | 40 9   | 46 4    | 43 6                                      |
| 1921 { 1st "    | 42 5    | 43 4     | 39 2      | 42 10     | 43 2   | 44 5    | 42 7                                      |
| 1921 { 2nd "    | 38 4    | 39 4     | 36 8      | 39 9      | 42 2   | 41 6    | 39 0                                      |

\* These results are based upon the regimen referred to on pp. 24-6 herein. † Basis of Table.

(ii.) *House Rent Only*.—The following table gives similar particulars for *house rent only*, the average for the six towns in 1911 being again taken as the basis of the table (= 20s.):—

**Measurement of Change in the Purchasing-Power of Money.—House Rent.**—Amount payable on the Average in each Year from 1901 to 1921 (2nd Quarter) for House Rent in each Capital Town, compared with a Rent of £1 in 1911 in the Australian Capitals regarded as a whole.

| Year |          | Sydney. | Melb'ne. | Brisbane. | Adelaide. | Perth. | Hobart. | Weighted<br>Average of 6<br>Capital Towns |       |
|------|----------|---------|----------|-----------|-----------|--------|---------|---|-------|
|      |          | s. d.   | s. d.    | s. d.     | s. d.     | s. d.  | s. d.   | s. d.                                     | s. d. |
| 1901 | ..       | 17 3    | 14 8     | 9 9       | 12 7      | 16 0   | 13 4    | 15 1                                      |       |
| 1902 | ..       | 17 3    | 14 11    | 9 10      | 12 7      | 15 11  | 13 5    | 15 2                                      |       |
| 1903 | ..       | 17 4    | 14 11    | 10 1      | 12 7      | 16 0   | 13 6    | 15 3                                      |       |
| 1904 | ..       | 17 5    | 15 3     | 10 2      | 12 7      | 16 0   | 13 6    | 15 4                                      |       |
| 1905 | ..       | 17 10   | 15 5     | 10 5      | 14 0      | 14 9   | 13 7    | 15 8                                      |       |
| 1906 | ..       | 17 11   | 15 8     | 10 6      | 15 3      | 14 4   | 13 9    | 15 11                                     |       |
| 1907 | ..       | 18 4    | 16 1     | 11 6      | 16 3      | 13 8   | 14 2    | 16 4                                      |       |
| 1908 | ..       | 18 7    | 16 7     | 12 4      | 17 5      | 13 7   | 14 7    | 16 10                                     |       |
| 1909 | ..       | 19 2    | 16 10    | 13 3      | 18 10     | 13 4   | 15 0    | 17 5                                      |       |
| 1910 | ..       | 19 10   | 18 4     | 14 0      | 20 4      | 13 11  | 15 6    | 18 5                                      |       |
| 1911 | ..       | 21 10   | 19 5     | 15 4      | 22 3      | 16 3   | 16 1    | 20 0 <sup>†</sup>                         |       |
| 1912 | ..       | 23 8    | 20 4     | 16 1      | 23 2      | 17 7   | 16 7    | 21 3                                      |       |
| 1913 | ..       | 24 11   | 21 10    | 17 3      | 22 6      | 18 7   | 17 10   | 22 4                                      |       |
| 1914 | ..       | 25 7    | 22 6     | 17 8      | 20 10     | 18 3   | 18 3    | 22 8                                      |       |
| 1915 | ..       | 24 5    | 21 8     | 17 2      | 18 8      | 17 0   | 18 7    | 21 7                                      |       |
| 1916 | ..       | 24 3    | 21 9     | 17 0      | 18 7      | 17 4   | 18 7    | 21 7                                      |       |
| 1917 | ..       | 24 3    | 22 6     | 17 5      | 19 2      | 17 5   | 19 0    | 22 0                                      |       |
| 1918 | ..       | 25 0    | 23 7     | 18 1      | 20 5      | 17 8   | 19 1    | 22 10                                     |       |
| 1919 | ..       | 25 9    | 25 8     | 19 8      | 22 2      | 18 4   | 22 8    | 24 4                                      |       |
| 1920 | ..       | 28 4    | 28 1     | 21 3      | 24 4      | 19 11  | 27 5    | 26 8                                      |       |
| 1912 | 1st Qt'r | 22 4    | 19 8     | 16 0      | 23 3      | 17 0   | 16 3    | 20 6                                      |       |
|      | 2nd "    | 23 4    | 20 0     | 16 1      | 23 5      | 17 2   | 16 4    | 21 1                                      |       |
|      | 3rd "    | 24 7    | 20 7     | 16 2      | 23 5      | 18 0   | 16 10   | 21 10                                     |       |
|      | 4th "    | 24 4    | 20 11    | 16 0      | 22 11     | 18 3   | 16 11   | 21 7                                      |       |
| 1913 | 1st "    | 24 5    | 21 4     | 16 10     | 22 11     | 18 3   | 18 0    | 22 0                                      |       |
|      | 2nd "    | 24 10   | 21 9     | 17 2      | 22 11     | 18 6   | 17 9    | 22 4                                      |       |
|      | 3rd "    | 24 11   | 22 0     | 17 3      | 22 3      | 18 7   | 17 8    | 22 5                                      |       |
|      | 4th "    | 25 6    | 22 1     | 17 10     | 21 10     | 18 11  | 18 0    | 22 8                                      |       |
| 1914 | 1st "    | 25 6    | 22 5     | 17 8      | 21 6      | 18 5   | 18 1    | 22 8                                      |       |
|      | 2nd "    | 25 9    | 22 10    | 17 10     | 21 5      | 18 5   | 18 3    | 23 0                                      |       |
|      | 3rd "    | 25 8    | 22 11    | 17 10     | 21 1      | 18 4   | 18 5    | 22 11                                     |       |
|      | 4th "    | 25 5    | 21 10    | 17 4      | 19 3      | 17 11  | 18 6    | 22 2                                      |       |
| 1915 | 1st "    | 24 7    | 21 10    | 17 1      | 18 10     | 17 5   | 18 6    | 21 9                                      |       |
|      | 2nd "    | 24 5    | 21 9     | 17 4      | 18 6      | 16 11  | 18 7    | 21 7                                      |       |
|      | 3rd "    | 24 5    | 21 7     | 17 2      | 18 7      | 16 10  | 18 7    | 21 7                                      |       |
|      | 4th "    | 24 3    | 21 7     | 17 2      | 18 7      | 16 10  | 18 7    | 21 6                                      |       |
| 1916 | 1st "    | 24 2    | 21 9     | 16 10     | 18 7      | 17 5   | 18 5    | 21 6                                      |       |
|      | 2nd "    | 24 3    | 21 8     | 16 11     | 18 7      | 17 5   | 18 6    | 21 7                                      |       |
|      | 3rd "    | 24 3    | 21 9     | 17 0      | 18 7      | 17 4   | 18 7    | 21 7                                      |       |
|      | 4th "    | 24 3    | 21 11    | 17 2      | 18 8      | 17 4   | 18 10   | 21 8                                      |       |
| 1917 | 1st "    | 24 3    | 22 3     | 17 10     | 19 1      | 17 5   | 18 11   | 21 10                                     |       |
|      | 2nd "    | 24 3    | 22 3     | 17 3      | 19 1      | 17 5   | 19 0    | 21 10                                     |       |
|      | 3rd "    | 24 2    | 22 7     | 17 3      | 19 2      | 17 6   | 19 1    | 22 0                                      |       |
|      | 4th "    | 24 6    | 22 10    | 17 2      | 19 5      | 17 6   | 19 1    | 22 2                                      |       |
| 1918 | 1st "    | 24 9    | 23 1     | 17 8      | 19 8      | 17 8   | 18 10   | 22 5                                      |       |
|      | 2nd "    | 25 1    | 23 2     | 17 9      | 20 4      | 17 8   | 18 10   | 22 8                                      |       |
|      | 3rd "    | 25 0    | 23 8     | 18 5      | 20 9      | 17 8   | 19 4    | 22 11                                     |       |
|      | 4th "    | 25 3    | 24 7     | 18 6      | 21 1      | 17 9   | 19 5    | 23 5                                      |       |
| 1919 | 1st "    | 25 5    | 25 0     | 19 1      | 21 8      | 18 3   | 21 3    | 23 9                                      |       |
|      | 2nd "    | 25 7    | 25 6     | 19 2      | 22 3      | 18 3   | 21 9    | 24 1                                      |       |
|      | 3rd "    | 25 10   | 25 8     | 19 8      | 22 3      | 18 3   | 23 6    | 24 4                                      |       |
|      | 4th "    | 26 4    | 26 7     | 20 8      | 22 6      | 18 6   | 24 3    | 25 0                                      |       |
| 1920 | 1st "    | 27 4    | 27 2     | 20 8      | 23 1      | 19 3   | 26 1    | 25 8                                      |       |
|      | 2nd "    | 28 4    | 27 6     | 21 2      | 24 1      | 19 8   | 27 0    | 26 5                                      |       |
|      | 3rd "    | 28 4    | 28 6     | 21 4      | 24 11     | 20 5   | 28 3    | 26 11                                     |       |
|      | 4th "    | 29 2    | 29 3     | 21 8      | 25 3      | 20 5   | 28 5    | 27 7                                      |       |
| 1921 | 1st "    | 29 2    | 29 3     | 21 6      | 25 8      | 20 10  | 28 9    | 27 8                                      |       |
|      | 2nd "    | 29 3    | 29 6     | 21 6      | 25 9      | 20 10  | 29 0    | 27 9                                      |       |

<sup>†</sup> Basis of Table.

**9. Monthly Fluctuations in Retail Prices of Food and Groceries, July, 1914, to May, 1921.**—The following table has been prepared in order to shew the variations in retail prices of food and groceries since July, 1914, the last month prior to the outbreak of war. Particulars for each town are given in the form of index-numbers for food and groceries in each of the months specified. In the last column the percentage increase is shewn for each town in May, 1921, compared with July, 1914. It is necessary to observe that the index-numbers given in the following table are computed to the same base as those given in the preceding tables in this section, referring to food and groceries only, viz., the weighted average expenditure in the six capital towns for 1911 of food and groceries (46 commodities) is made equal to 1000.

**Retail Price Index-Numbers\*\* (Food and Groceries), for each of Thirty Towns for the Months specified, with Weighted Average for Six Capital Towns in 1911 as Base (=1000).†**

| Particulars.               | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. | 1921.  |       | Perc't. increase from July 1914, to May, 1921. |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--|
|                            | July. | May.  | May.  | May.  | May.  | May.  | May.  | April. | May.  |  |
| <b>NEW SOUTH WALES—</b>    |       |       |       |       |       |       |       |        |       |  |
| Sydney .. ..               | 1,153 | 1,268 | 1,509 | 1,499 | 1,546 | 1,768 | 2,052 | 1,966  | 1,906 | %  |
| Newcastle .. ..            | 1,147 | 1,285 | 1,507 | 1,527 | 1,576 | 1,776 | 2,079 | 2,007  | 1,947 | 65.3   |
| Broken Hill .. ..          | 1,468 | 1,575 | 1,817 | 1,814 | 1,848 | 1,827 | 2,378 | 2,489  | 2,326 | 69.7   |
| Ooulburn .. ..             | 1,183 | 1,312 | 1,550 | 1,476 | 1,523 | 1,746 | 2,067 | 2,045  | 1,950 | 58.4   |
| Bathurst .. ..             | 1,097 | 1,243 | 1,479 | 1,473 | 1,521 | 1,663 | 2,016 | 1,982  | 1,925 | 64.8   |
| * Weighted Average ..      | 1,165 | 1,283 | 1,522 | 1,514 | 1,560 | 1,770 | 2,068 | 1,993  | 1,927 | 75.5   |
| <b>VICTORIA—</b>           |       |       |       |       |       |       |       |        |       |  |
| Melbourne .. ..            | 1,106 | 1,386 | 1,485 | 1,409 | 1,486 | 1,564 | 2,007 | 2,013  | 1,964 | %  |
| Ballarat .. ..             | 1,103 | 1,424 | 1,506 | 1,406 | 1,459 | 1,530 | 2,037 | 2,024  | 1,960 | 77.6   |
| Bendigo .. ..              | 1,107 | 1,390 | 1,482 | 1,432 | 1,487 | 1,522 | 1,937 | 2,001  | 1,939 | 77.7   |
| Geelong .. ..              | 1,089 | 1,350 | 1,514 | 1,432 | 1,481 | 1,541 | 1,935 | 2,079  | 2,051 | 75.2   |
| Warrnambool .. ..          | 1,087 | 1,404 | 1,493 | 1,436 | 1,514 | 1,567 | 1,945 | 2,024  | 1,949 | 88.3   |
| * Weighted Average ..      | 1,105 | 1,388 | 1,488 | 1,412 | 1,484 | 1,558 | 2,001 | 2,016  | 1,966 | 79.3   |
| <b>QUEENSLAND—</b>         |       |       |       |       |       |       |       |        |       |  |
| Brisbane .. ..             | 1,057 | 1,326 | 1,491 | 1,375 | 1,480 | 1,704 | 2,060 | 1,885  | 1,833 | %  |
| Toowoomba .. ..            | 1,041 | 1,371 | 1,457 | 1,360 | 1,440 | 1,755 | 2,001 | 1,755  | 1,734 | 73.4   |
| Rockhampton .. ..          | 1,156 | 1,378 | 1,613 | 1,404 | 1,501 | 1,797 | 2,068 | 1,915  | 1,877 | 66.6   |
| Charters Towers ..         | 1,246 | 1,588 | 1,644 | 1,582 | 1,684 | 1,911 | 2,082 | 1,967  | 1,927 | 62.4   |
| Warwick .. ..              | 1,083 | 1,379 | 1,462 | 1,369 | 1,520 | 1,770 | 2,045 | 1,911  | 1,837 | 54.7   |
| * Weighted Average ..      | 1,082 | 1,359 | 1,512 | 1,394 | 1,496 | 1,738 | 2,056 | 1,883  | 1,836 | 69.6   |
| <b>SOUTH AUSTRALIA—</b>    |       |       |       |       |       |       |       |        |       |  |
| Adelaide .. ..             | 1,250 | 1,485 | 1,584 | 1,480 | 1,620 | 1,703 | 2,114 | 2,075  | 1,975 | %  |
| Kadina, Moonta, Wallaroo   | 1,230 | 1,488 | 1,612 | 1,573 | 1,595 | 1,661 | 2,045 | 2,101  | 2,005 | 58.0   |
| Port Pirie .. ..           | 1,291 | 1,530 | 1,643 | 1,603 | 1,657 | 1,726 | 2,056 | 2,097  | 2,060 | 63.0   |
| Mt. Gambier .. ..          | 1,064 | 1,382 | 1,504 | 1,445 | 1,523 | 1,543 | 1,913 | 2,033  | 1,969 | 59.6   |
| Peterborough .. ..         | 1,340 | 1,536 | 1,622 | 1,584 | 1,611 | 1,699 | 2,125 | 2,084  | 2,026 | 85.1   |
| * Weighted Average ..      | 1,247 | 1,485 | 1,586 | 1,491 | 1,618 | 1,697 | 2,101 | 2,076  | 1,981 | 51.2   |
| <b>WESTERN AUSTRALIA—</b>  |       |       |       |       |       |       |       |        |       |  |
| Perth and Fremantle ..     | 1,340 | 1,502 | 1,550 | 1,586 | 1,524 | 1,891 | 2,121 | 2,158  | 2,104 | %  |
| Kalgoorlie and Boulder     | 1,664 | 1,806 | 1,814 | 1,799 | 1,791 | 2,188 | 2,311 | 2,337  | 2,315 | 57.0   |
| Mid. Junc. & Guildford     | 1,354 | 1,532 | 1,534 | 1,598 | 1,524 | 1,837 | 2,138 | 2,170  | 2,105 | 39.1   |
| Bunbury .. ..              | 1,418 | 1,593 | 1,608 | 1,753 | 1,656 | 1,895 | 2,100 | 2,164  | 2,141 | 51.0   |
| Geraldton .. ..            | 1,445 | 1,689 | 1,675 | 1,630 | 1,633 | 1,745 | 2,112 | 2,129  | 2,079 | 55.5   |
| * Weighted Average ..      | 1,412 | 1,573 | 1,608 | 1,636 | 1,585 | 1,946 | 2,160 | 2,195  | 2,148 | 43.9   |
| <b>TASMANIA—</b>           |       |       |       |       |       |       |       |        |       |  |
| Hobart .. ..               | 1,211 | 1,401 | 1,551 | 1,471 | 1,648 | 1,678 | 2,095 | 2,119  | 2,063 | %  |
| Launceston .. ..           | 1,144 | 1,345 | 1,538 | 1,478 | 1,588 | 1,645 | 2,034 | 2,039  | 1,910 | 70.4   |
| Zeehan .. ..               | 1,292 | 1,531 | 1,683 | 1,610 | 1,758 | 1,804 | 2,188 | 2,197  | 2,159 | 74.0   |
| Beaconsfield .. ..         | 1,230 | 1,436 | 1,647 | 1,587 | 1,617 | 1,678 | 2,038 | 1,977  | 1,952 | 67.1   |
| Queenstown .. ..           | 1,315 | 1,519 | 1,697 | 1,625 | 1,722 | 1,842 | 2,132 | 2,075  | 2,066 | 58.7   |
| * Weighted Average ..      | 1,201 | 1,399 | 1,566 | 1,494 | 1,638 | 1,684 | 2,080 | 2,090  | 2,041 | 67.1   |
| † Weighted Aver. for Cwth. | 1,164 | 1,372 | 1,524 | 1,473 | 1,539 | 1,696 | 2,054 | 2,017  | 1,957 | 68.1   |

\* Average for the five towns. † Average for thirty towns.

† See remarks on page 31 of Labour Report No. 6 with reference to change of base period.

\*\* As the price index-number increases the purchasing power of money diminishes.

NOTE.—Corresponding index-numbers for the intervening months are given in Labour Reports Nos. 6, 7, 8, 9 and 10, in Labour Bulletins Nos. 17 and 18, and in the Quarterly Summaries of Statistics Nos. 76 to 83.

10. **Tables of Prices and House Rents, 1920.**—While the summarised results of price-movements are published quarterly, the actual data from which such results are obtained are only published in full annually. In appendixes to Report No. 1, particulars were given of prices and house rents in the metropolitan towns in each year from 1901 to 1911, and in appendixes to Report No. 2, particulars were given of average prices and house rents in 1912 for each of the thirty towns from which returns are collected. In Appendixes I. and II. of Report No. 5 similar particulars were given for the year 1913; in Appendixes I. and III. to Report No. 6 particulars were given of average prices for 1914 and 1915; in Appendixes II. and IV. of the same Report similar information was given in regard to house rents. In Appendixes Nos. I and II. of Report No. 7; in Appendixes Nos. I. and II. of Report No. 8; in Appendixes Nos. IV. and V. of Report No. 9; in Appendixes Nos. 1. and 11. of Report No. 10; and in Appendixes Nos. I. and II. hereof, information is given in regard to average prices and house rents respectively for the years 1916 to 1920.

11. **Increase in Cost of Food and Groceries and House Rent, 1920, compared with previous years.**—The following tables have been prepared in order to shew for each capital town (i.) the total increase (or decrease) in the cost of food, groceries, and house rent combined in 1920 compared with each preceding year since 1901, and (ii.) amount of the percentage increase (or decrease) due to variations (a) in prices of food and groceries, and (b) in house rent. The sum of the percentages for any year and town in the last two parts of the table must, of course, equal the corresponding total percentage in the first part of the table. Thus the total percentage of increase in cost of food, groceries, and house rent in Sydney for 1920 compared with 1904 is 111.7 per cent., of which 85.9 per cent. is due to increased cost of food and groceries, and 25.8 per cent. to increase in house rents.

Percentage of Increase in Purchasing-Power-of-Money Price Index-Numbers in 1920 compared with previous Years 1901 to 1919.

| Year.      | Sydney. | Melbourne. | Brisbane. | Adelaide. | Perth. | Hobart. | Weighted Average for 6 Capital Towns. |
|------------|---------|------------|-----------|-----------|--------|---------|---------------------------------------|
| 1901 .. .. | 106.8   | 105.6      | 113.8     | 103.2     | 57.5   | 111.3   | 103.0                                 |
| 1902 .. .. | 88.5    | 97.9       | 105.5     | 103.4     | 50.1   | 105.6   | 92.1                                  |
| 1903 .. .. | 92.8    | 103.1      | 108.3     | 109.8     | 49.0   | 104.7   | 96.1                                  |
| 1904 .. .. | 111.7   | 109.4      | 123.9     | 116.1     | 55.3   | 114.8   | 108.1                                 |
| 1905 .. .. | 97.0    | 103.7      | 113.7     | 101.0     | 54.7   | 107.3   | 98.1                                  |
| 1906 .. .. | 97.7    | 103.6      | 110.7     | 97.0      | 58.0   | 104.5   | 97.9                                  |
| 1907 .. .. | 99.4    | 104.2      | 107.1     | 96.3      | 63.9   | 107.3   | 99.1                                  |
| 1908 .. .. | 87.3    | 93.0       | 92.1      | 84.2      | 61.5   | 99.6    | 87.9                                  |
| 1909 .. .. | 86.7    | 97.6       | 93.3      | 77.3      | 63.6   | 93.0    | 88.4                                  |
| 1910 .. .. | 85.6    | 89.8       | 87.6      | 74.2      | 58.0   | 93.2    | 84.2                                  |
| 1911 .. .. | 79.1    | 88.3       | 79.8      | 66.0      | 43.6   | 92.6    | 78.5                                  |
| 1912 .. .. | 60.8    | 69.5       | 67.9      | 51.8      | 40.1   | 76.4    | 62.2                                  |
| 1913 .. .. | 56.7    | 70.2       | 69.8      | 56.5      | 43.3   | 74.5    | 61.7                                  |
| 1914 .. .. | 53.1    | 61.8       | 64.9      | 53.6      | 41.5   | 68.6    | 56.6                                  |
| 1915 .. .. | 39.6    | 40.1       | 41.5      | 39.4      | 32.3   | 49.0    | 39.7                                  |
| 1916 .. .. | 32.5    | 36.6       | 38.5      | 36.6      | 27.8   | 43.7    | 34.8                                  |
| 1917 .. .. | 31.3    | 38.2       | 39.2      | 41.0      | 29.8   | 41.3    | 35.4                                  |
| 1918 .. .. | 29.4    | 32.6       | 31.3      | 31.5      | 30.5   | 35.5    | 31.1                                  |
| 1919 .. .. | 16.9    | 20.7       | 14.1      | 19.6      | 13.9   | 22.9    | 18.2                                  |

**Percentage of Increase in Purchasing-Power-of-Money Price Index-Numbers  
in 1920 compared with previous years 1901 to 1919—cont.**

| Year. | Sydney. | Melbourne. | Brisbane. | Adelaide. | Perth. | Hobart. | Weighted<br>Average for<br>6 Capital<br>Towns. |
|-------|---------|------------|-----------|-----------|--------|---------|--|
|-------|---------|------------|-----------|-----------|--------|---------|--|

**PERCENTAGE DUE TO VARIATIONS IN COST OF FOOD AND GROCERIES.**

|         |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|
| 1901 .. | 81.2 | 73.9 | 83.2 | 75.3 | 49.7 | 78.0 | 75.8 |
| 1902 .. | 65.0 | 67.9 | 76.3 | 75.5 | 42.5 | 73.3 | 66.5 |
| 1903 .. | 68.8 | 72.4 | 79.4 | 81.0 | 41.6 | 72.7 | 70.1 |
| 1904 .. | 85.9 | 78.6 | 93.0 | 86.4 | 47.5 | 81.3 | 80.9 |
| 1905 .. | 73.9 | 74.1 | 84.8 | 76.8 | 44.6 | 75.2 | 73.0 |
| 1906 .. | 74.7 | 74.5 | 82.5 | 76.0 | 46.8 | 73.1 | 73.3 |
| 1907 .. | 77.1 | 76.1 | 82.0 | 77.8 | 50.9 | 76.6 | 75.4 |
| 1908 .. | 66.8 | 67.4 | 70.8 | 69.4 | 48.5 | 70.8 | 66.5 |
| 1909 .. | 67.6 | 72.0 | 74.0 | 65.9 | 49.9 | 66.1 | 68.2 |
| 1910 .. | 68.0 | 68.5 | 70.7 | 66.1 | 46.0 | 67.4 | 66.7 |
| 1911 .. | 66.2 | 69.5 | 66.6 | 62.0 | 36.8 | 68.2 | 64.8 |
| 1912 .. | 52.5 | 54.4 | 57.2 | 49.8 | 36.0 | 54.9 | 52.1 |
| 1913 .. | 50.8 | 57.9 | 61.4 | 53.2 | 40.9 | 55.8 | 53.7 |
| 1914 .. | 48.5 | 51.4 | 57.5 | 47.3 | 38.6 | 51.3 | 49.4 |
| 1915 .. | 33.5 | 29.8 | 34.4 | 30.2 | 27.3 | 34.2 | 31.6 |
| 1916 .. | 26.5 | 26.7 | 31.1 | 27.5 | 23.7 | 29.4 | 26.9 |
| 1917 .. | 25.5 | 29.3 | 32.2 | 32.5 | 25.8 | 28.0 | 28.1 |
| 1918 .. | 24.7 | 25.7 | 26.2 | 25.5 | 26.8 | 22.9 | 25.3 |
| 1919 .. | 13.6 | 17.3 | 11.9 | 16.6 | 11.6 | 16.3 | 15.0 |

**PERCENTAGE DUE TO VARIATION IN HOUSE RENTS.**

|         |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|
| 1901 .. | 25.6 | 31.7 | 30.6 | 27.9 | 7.8  | 33.3 | 27.2 |
| 1902 .. | 23.5 | 30.0 | 29.2 | 27.9 | 7.6  | 32.3 | 25.6 |
| 1903 .. | 24.0 | 30.7 | 28.9 | 28.8 | 7.4  | 32.0 | 26.0 |
| 1904 .. | 25.8 | 30.8 | 30.9 | 29.7 | 7.8  | 33.5 | 27.2 |
| 1905 .. | 23.1 | 29.6 | 28.9 | 24.2 | 10.1 | 32.1 | 25.1 |
| 1906 .. | 23.0 | 29.1 | 28.2 | 21.0 | 11.2 | 31.4 | 24.6 |
| 1907 .. | 22.3 | 28.1 | 25.1 | 18.5 | 13.0 | 30.7 | 23.7 |
| 1908 .. | 20.5 | 25.6 | 21.3 | 14.8 | 13.0 | 28.8 | 21.4 |
| 1909 .. | 19.1 | 25.6 | 19.3 | 11.4 | 13.7 | 26.9 | 20.2 |
| 1910 .. | 17.6 | 21.3 | 16.9 | 8.1  | 12.0 | 25.8 | 17.5 |
| 1911 .. | 12.9 | 18.8 | 13.2 | 4.0  | 6.8  | 24.4 | 13.7 |
| 1912 .. | 8.3  | 15.1 | 10.7 | 2.0  | 4.1  | 21.5 | 10.1 |
| 1913 .. | 5.9  | 12.3 | 8.4  | 3.3  | 2.4  | 18.7 | 8.0  |
| 1914 .. | 4.6  | 10.4 | 7.4  | 6.3  | 2.9  | 17.3 | 7.2  |
| 1915 .. | 6.1  | 10.3 | 7.1  | 9.2  | 5.0  | 14.8 | 8.1  |
| 1916 .. | 6.0  | 9.9  | 7.4  | 9.1  | 4.1  | 14.3 | 7.9  |
| 1917 .. | 5.8  | 8.9  | 7.0  | 8.5  | 4.0  | 13.3 | 7.3  |
| 1918 .. | 4.7  | 6.9  | 5.1  | 6.0  | 3.7  | 12.6 | 5.8  |
| 1919 .. | 3.3  | 3.4  | 2.2  | 3.0  | 2.3  | 6.6  | 3.2  |

## SECTION V.—INVESTIGATIONS INTO VARIATIONS IN PURCHASING-POWER-OF-MONEY PRICE INDEX-NUMBERS IN 150 TOWNS IN THE COMMONWEALTH.

1. **Introduction.**—In order to supplement the information as to variations in the purchasing-power of money, which is collected each month for the 30 towns specified in the preceding Section, a special investigation was initiated in November, 1913, as to purchasing-power-of-money index-numbers in 70 additional towns in the Commonwealth. This investigation was repeated in November, 1914, and again in November, 1915, when the number of additional towns was increased to 120, and it is intended to carry it out in that month each year, thus making information available annually in all for 150 towns. The results of the first investigation were published in Labour Bulletin No. 5 (Section IV., pages 26 to 33), where some description was given of the methods adopted in making the investigation and in computing the index-numbers. The results of the second investigation (November, 1914) were published in Labour Bulletin No. 8 (Section IV., pages 231 to 240); of the third in Labour Bulletin No. 12 (Section IV., pages 356 to 361); of the fourth in Report No. 7 (Section V., pages 393 to 403), of the fifth in Report No. 8 (Section V., pages 47 to 57); of the sixth in Report No. 9 (Section VI., pages 52 to 61), and of the seventh in Report No. 10 (Section VI., pages 55 to 65).

2. **Price Index-Numbers shewing relative Purchasing-Power of Money.**—The results of the investigation made in November, 1920, are set out in the tables on pages 57 to 60. *The basis for the whole of this table is the weighted average aggregate expenditure for the 150 towns on food, groceries, and rent of five-roomed houses, in November, 1920.* (See end of last column on page 60). This weighted average aggregate expenditure is made equal to 1000, and the aggregate expenditure on these items for each individual town is shewn in the last column in the form of index-numbers relative to this average. In the preceding column similar index-numbers are shewn for food, groceries, and rent of four-roomed houses, and these index-numbers are again computed to the same base indicated above. That is to say, that while the index-number 1000 (see page 60) represents the weighted average expenditure on food, groceries, and rent of five-roomed houses, 943 represents the average weighted expenditure on food, groceries, and rent of four-roomed houses. Similarly, in the remaining three columns, if 1000 represents the weighted average expenditure on food, groceries, and rent of five-roomed houses (page 60), the index-number 727 represents the relative weighted average expenditure on food and groceries only, the index-number 216 represents the relative weighted average expenditure on rent of four-roomed houses, and 273 the expenditure on rent of five-roomed houses. It follows, therefore, that the figures given in the table are comparable throughout. Thus, taking the average weighted expenditure for all 150 towns on food, groceries, and rent of five-roomed houses as equal to 1000, the expenditure on the same items in Melbourne is 1042, while if four-roomed houses were substituted for five-roomed, the expenditure in Melbourne would be represented by 968,



of which 729 would be the expenditure on food and groceries, and the remaining 239 the expenditure on house rent. Again, the expenditure in Sydney on food, groceries, and rent of five-roomed houses is 1051 or 5.1 per cent. above the weighted average, and that number is made up of 732, the relative expenditure on food and groceries, and 319 the relative expenditure on rent of five-roomed houses. The expenditure on the same items in Grafton is represented by 960, of which 761 represents the expenditure on food and groceries and 199 that on rent.

In the following table, the first column shews the index-numbers for food and groceries only, while the second and third shew the index-numbers for the rent of houses having four and five rooms respectively. The fourth column shews the aggregate index-numbers for food and groceries combined with the rent of four-roomed houses, and the last column the index-numbers for food and groceries combined with the rent of five-roomed houses :—

**Relative Purchasing-Power-of-Money Index-Numbers in Various Towns compared with Weighted Average Cost of Food, Groceries, and Rent of 5 Rooms as Base (=1000), November, 1920.\***

| State and Town.         | Food and Groceries, Index No. | House Rent, 4 Rooms, Index No. | House Rent, 5 Rooms, Index No. | Food, Groceries, and Rent of 4 Rooms Index No. | Food, Groceries, and Rent of 5 Rooms Index No. |
|-------------------------|-------------------------------|--------------------------------|--------------------------------|--|--|
| <b>New South Wales—</b> |                               |                                |                                |  |  |
| Sydney .. ..            | 732                           | 273                            | 319                            | 1,005  | 1,051  |
| Newcastle .. ..         | 754                           | 214                            | 305                            | 968  | 1,059  |
| Broken Hill .. ..       | 853                           | 160                            | 200                            | 1,013  | 1,053  |
| Goulburn .. ..          | 764                           | 194                            | 253                            | 958  | 1,017  |
| Bathurst .. ..          | 764                           | 140                            | 194                            | 904  | 958  |
| Adelong .. ..           | 749                           | 93                             | 121                            | 842  | 870  |
| Albury .. ..            | 734                           | 243                            | 296                            | 977  | 1,030  |
| Armidale .. ..          | 740                           | 195                            | 248                            | 935  | 988  |
| Bega .. ..              | 747                           | 142                            | 196                            | 889  | 943  |
| Bourke .. ..            | 780                           | 89                             | 119                            | 869  | 899  |
| Bowral .. ..            | 756                           | 199                            | 246                            | 955  | 1,002  |
| Casino .. ..            | 717                           | 157                            | 224                            | 874  | 941  |
| Cobar .. ..             | 789                           | 56                             | 75                             | 845  | 864  |
| Cooma .. ..             | 809                           | 159                            | 196                            | 968  | 1,005  |
| Coonamble .. ..         | 802                           | 174                            | 224                            | 976  | 1,026  |
| Cootamundra .. ..       | 801                           | 223                            | 286                            | 1,024  | 1,087  |
| Corrimal .. ..          | 769                           | 138                            | 168                            | 907  | 937  |
| Cowra .. ..             | 709                           | 194                            | 273                            | 903  | 982  |
| Deniliquin .. ..        | 771                           | 151                            | 191                            | 922  | 962  |
| Dubbo .. ..             | 773                           | 220                            | 291                            | 993  | 1,064  |
| Forbes .. ..            | 755                           | 170                            | 235                            | 925  | 990  |
| Glen Innes .. ..        | 695                           | 184                            | 234                            | 879  | 929  |
| Grafton .. ..           | 761                           | 147                            | 199                            | 908  | 960  |
| Grenfell .. ..          | 752                           | 197                            | 271                            | 949  | 1,023  |
| Gunnedah .. ..          | 757                           | 179                            | 220                            | 936  | 977  |
| Hay .. ..               | 784                           | 142                            | 203                            | 926  | 992  |
| Inverell .. ..          | 774                           | 192                            | 229                            | 966  | 1,003  |
| Junee .. ..             | 739                           | 202                            | 250                            | 941  | 989  |
| Katoomba .. ..          | 765                           | 243                            | 310                            | 1,008  | 1,075  |
| Kempsey .. ..           | 720                           | 159                            | 217                            | 879  | 937  |
| Lismore .. ..           | 732                           | 195                            | 254                            | 927  | 986  |
| Lithgow .. ..           | 746                           | 193                            | 235                            | 939  | 981  |

\* These results are based upon the regimen referred to on pages 20-22 Labour Report No. 6.



**Relative Purchasing-Power-of-Money Index-Numbers in Various Towns compared with Weighted Average Cost of Food, Groceries, and Rent of 5 Rooms as Base (=1000), November, 1920—cont.**

| State and Town.                  | Food and Groceries, Index No. | House Rent, 4 Rooms, Index No. | House Rent, 5 Rooms, Index No. | Food, Groceries, and Rent of 4 Rooms, Index No. | Food, Groceries, and Rent of 5 Rooms, Index No. |
|----------------------------------|-------------------------------|--------------------------------|--------------------------------|---|---|
| <b>New South Wales—cont.</b>     |                               |                                |                                |   |   |
| Maitland .. ..                   | 745                           | 176                            | 198                            | 921   | 943   |
| Moree .. ..                      | 811                           | 201                            | 261                            | 1,012   | 1,072   |
| Moss Vale .. ..                  | 772                           | 237                            | 298                            | 1,009   | 1,070   |
| Mudgee .. ..                     | 744                           | 193                            | 231                            | 937   | 975   |
| Narrabri .. ..                   | 751                           | 200                            | 246                            | 951   | 997   |
| Nowra .. ..                      | 776                           | 187                            | 224                            | 963   | 1,000   |
| Orange .. ..                     | 714                           | 160                            | 245                            | 874   | 959   |
| Parkes .. ..                     | 747                           | 200                            | 262                            | 947   | 1,009   |
| Queanbeyan .. ..                 | 784                           | 153                            | 185                            | 937   | 969   |
| Tamworth .. ..                   | 724                           | 185                            | 241                            | 909   | 965   |
| Temora .. ..                     | 777                           | 205                            | 242                            | 982   | 1,019   |
| Wagga Wagga .. ..                | 704                           | 200                            | 248                            | 904   | 952   |
| Wellington .. ..                 | 719                           | 162                            | 223                            | 881   | 942   |
| Wollongong .. ..                 | 760                           | 192                            | 224                            | 952   | 984   |
| Wyalong .. ..                    | 774                           | 148                            | 205                            | 922   | 979   |
| Yass .. ..                       | 837                           | 182                            | 222                            | 1,019   | 1,059   |
| Young .. ..                      | 735                           | 183                            | 231                            | 918   | 966   |
| Weighted Average for State .. .. | 742                           | 245                            | 295                            | 987   | 1,037   |
| <b>Victoria—</b>                 |                               |                                |                                |   |   |
| Melbourne .. ..                  | 729                           | 239                            | 313                            | 968   | 1,042   |
| Ballarat .. ..                   | 740                           | 115                            | 165                            | 855   | 905   |
| Bendigo .. ..                    | 706                           | 137                            | 188                            | 843   | 894   |
| Geelong .. ..                    | 702                           | 178                            | 235                            | 880   | 937   |
| Warrnambool .. ..                | 750                           | 188                            | 252                            | 938   | 1,002   |
| Ararat .. ..                     | 769                           | 162                            | 230                            | 931   | 999   |
| Bairnsdale .. ..                 | 750                           | 161                            | 230                            | 911   | 980   |
| Beechworth .. ..                 | 757                           | 112                            | 144                            | 869   | 901   |
| Benalla .. ..                    | 728                           | 160                            | 196                            | 888   | 924   |
| Bright .. ..                     | 752                           | 97                             | 134                            | 849   | 886   |
| Camperdown .. ..                 | 713                           | 170                            | 220                            | 883   | 933   |
| Castlemaine .. ..                | 756                           | 121                            | 185                            | 877   | 941   |
| Colac .. ..                      | 756                           | 195                            | 233                            | 951   | 989   |
| Creswick .. ..                   | 743                           | 54                             | 77                             | 797   | 820   |
| Daylesford .. ..                 | 755                           | 101                            | 142                            | 856   | 897   |
| Dunolly .. ..                    | 671                           | 86                             | 101                            | 757   | 772   |
| Echuca .. ..                     | 764                           | 141                            | 187                            | 905   | 951   |
| Euroa .. ..                      | 749                           | 132                            | 142                            | 881   | 891   |
| Hamilton .. ..                   | 733                           | 184                            | 230                            | 917   | 963   |
| Horsham .. ..                    | 768                           | 176                            | 243                            | 944   | 1,011   |
| Korumburra .. ..                 | 725                           | 169                            | 201                            | 894   | 926   |
| Kyneton .. ..                    | 736                           | 141                            | 189                            | 877   | 925   |
| Maldon .. ..                     | 720                           | 77                             | 90                             | 797   | 810   |
| Maryborough .. ..                | 737                           | 101                            | 153                            | 838   | 890   |
| Mildura .. ..                    | 762                           | 339                            | 414                            | 1,101   | 1,176   |
| Nhill .. ..                      | 720                           | 149                            | 179                            | 869   | 899   |
| Omeo .. ..                       | 801                           | 90                             | 127                            | 891   | 928   |
| Orbost .. ..                     | 743                           | 151                            | 214                            | 894   | 957   |
| Portland .. ..                   | 725                           | 137                            | 181                            | 862   | 906   |
| St. Arnaud .. ..                 | 731                           | 166                            | 218                            | 897   | 949   |
| Sale .. ..                       | 724                           | 149                            | 212                            | 873   | 936   |
| Shepparton .. ..                 | 702                           | 189                            | 246                            | 891   | 948   |
| Stawell .. ..                    | 782                           | 140                            | 196                            | 922   | 978   |

**Relative Purchasing-Power-of-Money Index-Numbers in Various Towns compared with Weighted Average Cost of Food, Groceries, and Rent of 5 Rooms as Base (=1000), November, 1920—cont.**

| State and Town.                   | Food and Groceries, Index No. | House Rent, 4 Rooms, Index No. | House Rent, 5 Rooms, Index No. | Food, Groceries, and Rent of 4 Rooms, Index No. | Food, Groceries, and Rent of 5 Rooms, Index No. |
|-----------------------------------|-------------------------------|--------------------------------|--------------------------------|---|---|
| <b>Victoria—cont.</b>             |                               |                                |                                |   |   |
| Swan Hill .. ..                   | 719                           | 243                            | 280                            | 962   | 999   |
| Walhalla .. ..                    | 775                           | 38                             | 60                             | 813   | 835   |
| Wandiligong .. ..                 | 757                           | 60                             | 75                             | 817   | 832   |
| Wangaratta .. ..                  | 786                           | 182                            | 223                            | 968   | 1,009   |
| Warracknabeal .. ..               | 709                           | 161                            | 205                            | 870   | 914   |
| Wonthaggi .. ..                   | 790                           | 175                            | 224                            | 965   | 1,014   |
| Yackandandah .. ..                | 762                           | 127                            | 157                            | 889   | 919   |
| Weighted Average for State .. ..  | 730                           | 212                            | 279                            | 942   | 1,009   |
| <b>Queensland—</b>                |                               |                                |                                |   |   |
| Brisbane .. ..                    | 667                           | 164                            | 216                            | 831   | 883   |
| Toowoomba .. ..                   | 637                           | 142                            | 190                            | 779   | 827   |
| Rockhampton .. ..                 | 672                           | 123                            | 155                            | 795   | 827   |
| Charters Towers .. ..             | 712                           | 136                            | 173                            | 848   | 885   |
| Warwick .. ..                     | 679                           | 120                            | 172                            | 799   | 851   |
| Bundaberg .. ..                   | 687                           | 119                            | 168                            | 806   | 855   |
| Cairns .. ..                      | 786                           | 206                            | 261                            | 992   | 1,047   |
| Charleville .. ..                 | 730                           | 212                            | 300                            | 942   | 1,030   |
| Chillagoe .. ..                   | 745                           | 60                             | 75                             | 805   | 820   |
| Cloncurry .. ..                   | 827                           | 197                            | 279                            | 1,024   | 1,106   |
| Cooktown .. ..                    | 811                           | 68                             | 87                             | 879   | 898   |
| Cunnamulla .. ..                  | 721                           | 157                            | 187                            | 878   | 908   |
| Goondiwindi .. ..                 | 698                           | 132                            | 190                            | 830   | 888   |
| Gympie .. ..                      | 682                           | 115                            | 164                            | 797   | 846   |
| Hamilton .. ..                    | 672                           | 224                            | 298                            | 896   | 970   |
| Hughenden .. ..                   | 751                           | 257                            | 315                            | 1,008   | 1,066   |
| Ipswich .. ..                     | 671                           | 142                            | 190                            | 813   | 861   |
| Longreach .. ..                   | 734                           | 153                            | 196                            | 887   | 930   |
| Mackay .. ..                      | 753                           | 177                            | 221                            | 930   | 974   |
| Maryborough .. ..                 | 667                           | 127                            | 165                            | 794   | 832   |
| Mt. Morgan .. ..                  | 684                           | 150                            | 187                            | 834   | 871   |
| Roma .. ..                        | 678                           | 187                            | 224                            | 865   | 902   |
| Townsville .. ..                  | 743                           | 240                            | 301                            | 983   | 1,044   |
| Winton .. ..                      | 814                           | 243                            | 299                            | 1,057   | 1,113   |
| Weighted Average for State .. ..  | 681                           | 157                            | 206                            | 838   | 887   |
| <b>South Australia—</b>           |                               |                                |                                |   |   |
| Adelaide .. ..                    | 732                           | 216                            | 286                            | 948   | 1,018   |
| Moonta & Kadina .. ..             | 735                           | 150                            | 194                            | 885   | 929   |
| Port Pirie .. ..                  | 741                           | 194                            | 237                            | 935   | 978   |
| Mt. Gambier .. ..                 | 717                           | 128                            | 162                            | 845   | 879   |
| Peterborough .. ..                | 719                           | 169                            | 222                            | 888   | 941   |
| Gawler .. ..                      | 702                           | 147                            | 191                            | 849   | 893   |
| Kapunda .. ..                     | 708                           | 90                             | 120                            | 798   | 828   |
| Murray Bridge .. ..               | 724                           | 226                            | 283                            | 950   | 1,007   |
| Pt. Augusta .. ..                 | 745                           | 186                            | 247                            | 931   | 992   |
| Pt. Lincoln .. ..                 | 710                           | 176                            | 204                            | 886   | 914   |
| Pt. Victor (Victor Harbour) .. .. | 706                           | 174                            | 254                            | 880   | 960   |
| Renmark .. ..                     | 769                           | 243                            | 311                            | 1,012   | 1,080   |
| Weighted Average for State .. ..  | 731                           | 206                            | 271                            | 937   | 1,002   |

**Relative Purchasing-Power-of-Money Index-Numbers in Various Towns compared with Weighted Average Cost of Food, Groceries, and Rent of 5 Rooms as Base (=1000), November, 1920—cont.**

| State and Town.                      | Food and Groceries, Index No. | House Rent, 4 Rooms, Index No. | House Rent, 5 Rooms, Index No. | Food, Groceries, and Rent of 4 Rooms, Index No. | Food, Groceries, and Rent of 5 Rooms, Index No. |
|--------------------------------------|-------------------------------|--------------------------------|--------------------------------|---|---|
| <b>Western Australia—</b>            |                               |                                |                                |   |   |
| Perth & Fremantle                    | 665                           | 201                            | 256                            | 866   | 921   |
| Kalgoorlie & Boulder                 | 761                           | 200                            | 244                            | 961   | 1,005   |
| Midland Junction & Guildford ..      | 693                           | 147                            | 194                            | 840   | 887   |
| Bunbury .. ..                        | 692                           | 164                            | 190                            | 856   | 882   |
| Geraldton .. ..                      | 693                           | 217                            | 266                            | 910   | 959   |
| Albany .. ..                         | 732                           | 177                            | 220                            | 909   | 952   |
| Broome .. ..                         | 844                           | *                              | *                              | *   | *   |
| Carnarvon .. ..                      | 787                           | 246                            | 265                            | 1,033   | 1,052   |
| Cue .. ..                            | 807                           | 119                            | 168                            | 926   | 975   |
| Katanning .. ..                      | 660                           | 219                            | 245                            | 879   | 905   |
| Leonora .. ..                        | 833                           | 149                            | 187                            | 982   | 1,020   |
| Menzies .. ..                        | 935                           | 75                             | 90                             | 1,010   | 1,025   |
| Northam .. ..                        | 683                           | 189                            | 258                            | 872   | 941   |
| Ravensthorpe ..                      | 771                           | 56                             | 93                             | 827   | 864   |
| <b>Weighted Average for State ..</b> | <b>692</b>                    | <b>196</b>                     | <b>246</b>                     | <b>888</b>                                      | <b>938</b>                                      |
| <b>Tasmania—</b>                     |                               |                                |                                |   |   |
| Hobart .. ..                         | 772                           | 264                            | 318                            | 1,036   | 1,090   |
| Launceston .. ..                     | 760                           | 181                            | 257                            | 941   | 1,017   |
| Zeehan .. ..                         | 805                           | 104                            | 142                            | 909   | 947   |
| Beaconsfield ..                      | 702                           | 35                             | 51                             | 737   | 753   |
| Queenstown .. ..                     | 723                           | 149                            | 194                            | 872   | 917   |
| Burnie .. ..                         | 732                           | 205                            | 254                            | 937   | 986   |
| Campbelltown ..                      | 688                           | 70                             | 94                             | 758   | 782   |
| Devonport .. ..                      | 732                           | 204                            | 241                            | 936   | 973   |
| Franklin .. ..                       | 753                           | 134                            | 179                            | 887   | 932   |
| Oatlands .. ..                       | 709                           | 90                             | 108                            | 799   | 817   |
| Scottsdale .. ..                     | 712                           | 129                            | 162                            | 841   | 874   |
| <b>Weighted Average for State ..</b> | <b>759</b>                    | <b>207</b>                     | <b>263</b>                     | <b>966</b>                                      | <b>1,022</b>                                    |
| <b>Weighted Average Commonwealth</b> | <b>727</b>                    | <b>216</b>                     | <b>273</b>                     | <b>943</b>                                      | <b>1,000 †</b>                                  |

\* Not available.

† Basis of Tables.

3. **Food and Groceries.**—Comparing the index-numbers for food and groceries alone (column I.), it will be observed that, taking the weighted average for all the towns in each State, New South Wales, Victoria, South Australia and Tasmania are above the average for the Commonwealth, while Queensland and Western Australia are below. Tasmania is the most expensive State (4.4 per cent. above the average), and Queensland the cheapest (6.3 per cent. below). Of the other States New South Wales is 2.1 per cent.; South Australia 0.6 per cent.

and Victoria 0.4 above the average, while the index-number for Western Australia is 4.8 per cent. below the average. In all the States some of the towns are above and some below the average for the Commonwealth. In New South Wales the most expensive town is Broken Hill, 17.3 per cent. above the weighted average for the 150 towns, while the cheapest town is Glen Innes, which is 4.4 per cent. below the average. In Victoria, Omeo is the most expensive town, 10.2 per cent. above, and Dunolly is the cheapest, 7.7 per cent. below the average. In Queensland the most expensive town is Cloncurry, 13.8 per cent. above, and the cheapest Toowoomba, 12.4 per cent. below the average. In South Australia the most expensive town is Renmark, 5.8 per cent. above, and the cheapest Gawler, 3.4 per cent. below the average. In Western Australia, Menzies is the most expensive town, 28.6 per cent. above, and Katanning the cheapest, 9.2 per cent. below the weighted average for all towns. Zeehan is the most expensive town in Tasmania, being 10.7 per cent. above, while Campbelltown is the cheapest, being 5.4 per cent. below the average for the 150 towns.

**4. House Rents**—There is a far greater divergence between the relative expenditure on house rents in the various towns than on food and groceries. As might naturally be expected, the general tendency appears to be that the cost of housing accommodation is higher in places where there is great centralisation of people than in sparsely-populated districts. That this is not always the case, however, is at once apparent on comparing the index-numbers for Sydney with its 897,640 inhabitants and such towns as Hughenden and Townsville in Queensland and Geraldton and Kalgoorlie in Western Australia.

Comparing the weighted average of the towns in each State, it will be seen that, in the case of four-roomed houses, New South Wales is 13.4 per cent. above the average for the whole of the towns, while the other States are below the average; Queensland 27.3 per cent.; Western Australia 9.3 per cent.; South Australia 4.6 per cent.; Tasmania 4.2 per cent.; and Victoria 1.9 per cent. Turning now to houses having 5 rooms, it will be seen that again New South Wales is above the average for the whole of the towns, by 8.1 per cent. Of the remaining States, Victoria is 2.2 per cent. above the average for the whole of the towns, while Queensland is 24.5 per cent., Western Australia is 9.9 per cent., Tasmania is 3.7 per cent., and South Australia is 0.7 per cent., below the average for the 150 towns.

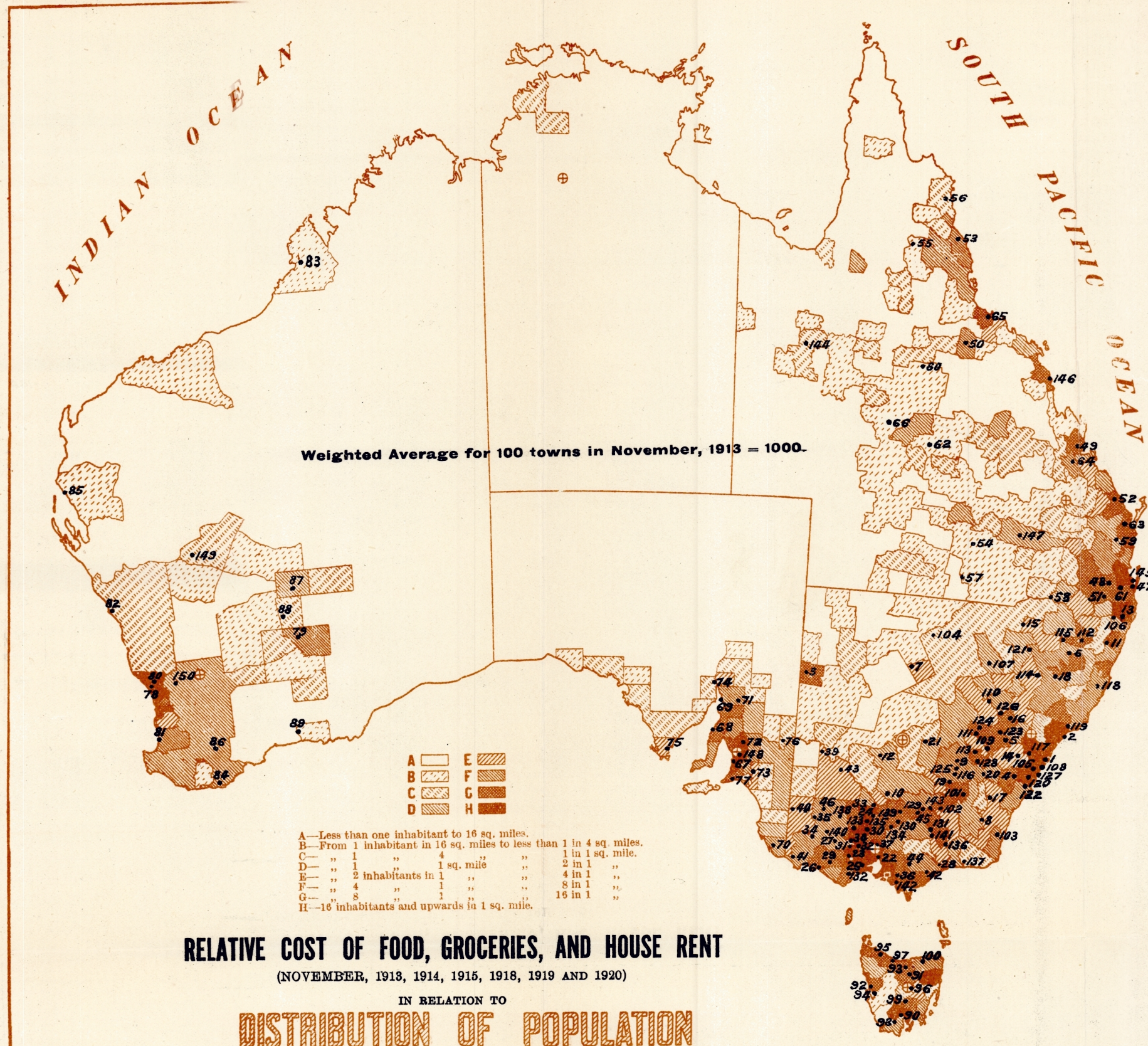
Comparing individual towns it may be seen that in New South Wales, Sydney has the highest index-number for houses of four and five rooms, 26.4 per cent. for the former and 16.8 per cent. for the latter, above the average for the 150 towns considered as a whole. Cobar has the lowest index-number for both kinds of houses, being 74.1 per cent. for 4 rooms, and 72.5 per cent. for 5 rooms, below the average. In Victoria, Mildura is the highest for houses of 4 rooms and 5 rooms, being 56.9 per cent. for the former, and 51.6 per cent. for the latter, above the average for all towns. Walhalla has the lowest index-number in both cases, 82.4 per cent. below the average for houses having

4 rooms and 78.0 per cent. below for houses having 5 rooms. In Queensland, Hughenden has the highest index-number for houses of 4 rooms and 5 rooms, being 19.0 per cent. for the former and 15.4 per cent. for the latter, above the average for all towns. Chillagoe has the lowest index-number in both cases, being 72.2 per cent. for 4 rooms, and 72.5 per cent. for 5 rooms below the average. In South Australia, Renmark has the highest index-number for rents for houses of 4 and 5 rooms, being 12.5 per cent. for the former, and 13.9 per cent. for the latter, above the average, while Kapunda has the lowest index-number, 58.3 per cent. for houses of 4 rooms, and 56.0 per cent. for houses of 5 rooms below the average. In Western Australia, Carnarvon has the highest index-number for 4-roomed houses, being 13.9 per cent. above the average, and Geraldton the highest index-number for 5-roomed houses, being 2.6 per cent. above the average. For houses of 4 rooms, Ravensthorpe is 74.1 per cent., and for houses of 5 rooms Menzies is 67.0 per cent. below the average for the 150 towns. Hobart has the highest index-numbers for Tasmania in both cases, being 22.2 per cent. above the average for houses of 4 rooms, and 16.5 above the average for houses of 5 rooms. Beaconsfield has the lowest index-numbers in both cases, being 83.9 per cent. for 4 rooms, and 81.3 per cent. for 5 rooms below the average for the 150 towns considered as a whole.

**5. Food, Groceries and House Rent.**—The index-numbers in the last two columns of the table on pages 57 to 60 shew the relative cost of food and groceries combined with rent of the two classes of houses indicated. The general order and arrangement, both of the separate States and of individual towns, as regards relative cost of the commodities and house rent included, is the same whether the rent included refers to four or to five-roomed houses. Taking combined expenditure on food, groceries, and rent of four-roomed houses, New South Wales is 4.7 per cent., and Tasmania 2.4 per cent. above the weighted average for the Commonwealth, while the remaining States are below the average; Queensland, 11.1 per cent., Western Australia, 5.8 per cent., South Australia, 0.6 per cent., and Victoria, 0.1 per cent. For combined expenditure on food, groceries and houses having five rooms, the index-number for New South Wales is 3.7 per cent., Tasmania, 2.2 per cent., Victoria, 0.9 per cent., and South Australia, 0.2 per cent., above the weighted average for all towns, while the index-number for Queensland is 11.3 per cent., and for Western Australia 6.2 per cent., below the average.

Comparing individual towns, it may be seen that in New South Wales, Cootamundra has the highest index-number for the combined expenditure on food, groceries and rent of four-roomed houses and five-roomed houses, being 7.9 per cent. for the former, and 8.7 per cent. for the latter above the average. The index-number is lowest in Adelong, whether the comparison be made with four or five rooms. In the former case it is 10.7 per cent., and in the latter 13.0 per cent. below the average. In Victoria, Mildura has the highest combined index-number in both cases, 16.8 per cent. and 17.6 per cent. above the respective weighted average index-numbers. Dunolly has the lowest combined index-number for both four and five-roomed houses, being 19.7 per cent. for the former, and 22.8 per cent. for the latter, below the weighted average for





RELATIVE COST OF FOOD, GROCERIES, AND HOUSE RENT  
(NOVEMBER, 1913, 1914, 1915, 1918, 1919 AND 1920)  
IN RELATION TO  
DISTRIBUTION OF POPULATION

| REFERENCE TO NUMBERS ON MAP. |              |       |     |       |     |       |       |       |     |       |       |       |       |     |              |       |     |       |     |       |       |       |       |     |            |       |     |       |     |       |       |       |       |
|------------------------------|--------------|-------|-----|-------|-----|-------|-------|-------|-----|-------|-------|-------|-------|-----|--------------|-------|-----|-------|-----|-------|-------|-------|-------|-----|------------|-------|-----|-------|-----|-------|-------|-------|-------|
|                              |              | 1913. |     | 1914. |     | 1915. |       | 1918. |     | 1919. |       | 1920. |       |     |              | 1915. |     | 1918. |     | 1919. |       | 1920. |       |     |            |       |     |       |     |       |       |       |       |
|                              |              | A     | B   | A     | B   | A     | B     | A     | B   | A     | B     | A     | B     |     |              | A     | B   | A     | B   | A     | B     | A     | B     |     |            | A     | B   | A     | B   | A     | B     | A     | B     |
| 1                            | SYDNEY       | 1,109 | 634 | 1,124 | 651 | 1,321 | 861   | 1,372 | 896 | 1,586 | 1,096 | 1,796 | 1,251 | 101 | N. S. Wales— | 1,110 | 922 | 1,046 | 874 | 1,147 | 994   | 1,486 | 1,279 | 101 | Adelong    | 1,110 | 922 | 1,046 | 874 | 1,147 | 994   | 1,486 | 1,279 |
| 2                            | Newcastle    | 960   | 637 | 972   | 648 | 1,228 | 847   | 1,279 | 907 | 1,568 | 1,096 | 1,811 | 1,290 | 102 | Albury       | 1,174 | 868 | 1,261 | 888 | 1,455 | 1,027 | 1,759 | 1,253 | 102 | Albury     | 1,174 | 868 | 1,261 | 888 | 1,455 | 1,027 | 1,759 | 1,253 |
| 3                            | Broken Hill  | 1,116 | 768 | 849   | 773 | 1,192 | 1,013 | 1,298 | 954 | 1,526 | 1,185 | 1,800 | 1,458 | 103 | Bega         | 1,137 | 873 | 1,150 | 879 | 1,339 | 1,065 | 1,612 | 1,277 | 103 | Bega       | 1,137 | 873 | 1,150 | 879 | 1,339 | 1,065 | 1,612 | 1,277 |
| 4                            | Goulburn     | 974   | 629 | 1,035 | 667 | 1,271 | 854   | 1,287 | 903 | 1,467 | 1,079 | 1,738 | 1,306 | 104 | Bourke       | 1,146 | 920 | 1,171 | 956 | 1,380 | 1,156 | 1,537 | 1,333 | 104 | Bourke     | 1,146 | 920 | 1,171 | 956 | 1,380 | 1,156 | 1,537 | 1,333 |
| 5                            | Bathurst     | 892   | 533 | 909   | 608 | 1,102 | 825   | 1,112 | 858 | 1,314 | 1,020 | 1,638 | 1,306 | 105 | Bowral       | 1,135 | 841 | 1,247 | 909 | 1,497 | 1,124 | 1,712 | 1,291 | 105 | Bowral     | 1,135 | 841 | 1,247 | 909 | 1,497 | 1,124 | 1,712 | 1,291 |
| 6                            | Armidale     | 875   | 601 | 948   | 618 | 1,148 | 863   | 1,263 | 899 | 1,441 | 1,094 | 1,689 | 1,266 | 106 | Casino       | 1,165 | 884 | 1,171 | 929 | 1,428 | 1,097 | 1,608 | 1,225 | 106 | Casino     | 1,165 | 884 | 1,171 | 929 | 1,428 | 1,097 | 1,608 | 1,225 |
| 7                            | Cobar        | 987   | 661 | 881   | 742 | 1,096 | 907   | 1,189 | 923 | 1,338 | 1,191 | 1,476 | 1,348 | 107 | Coonamble    | 1,202 | 883 | 1,339 | 988 | 1,538 | 1,155 | 1,753 | 1,370 | 107 | Coonamble  | 1,202 | 883 | 1,339 | 988 | 1,538 | 1,155 | 1,753 | 1,370 |
| 8                            | Cooma        | 861   | 638 | 975   | 662 | 1,221 | 962   | 1,195 | 898 | 1,451 | 1,136 | 1,718 | 1,383 | 108 | Corrimal     | 1,078 | 854 | 1,135 | 905 | 1,349 | 1,119 | 1,601 | 1,314 | 108 | Corrimal   | 1,078 | 854 | 1,135 | 905 | 1,349 | 1,119 | 1,601 | 1,314 |
| 9                            | Cootamundra  | 977   | 632 | 990   | 653 | 1,290 | 892   | 1,363 | 894 | 1,489 | 1,045 | 1,857 | 1,369 | 109 | Cowra        | 1,217 | 854 | 1,280 | 917 | 1,572 | 1,107 | 1,678 | 1,212 | 109 | Cowra      | 1,217 | 854 | 1,280 | 917 | 1,572 | 1,107 | 1,678 | 1,212 |
| 10                           | Deniliquin   | 836   | 606 | 943   | 675 | 1,199 | 924   | 1,190 | 904 | 1,343 | 1,020 | 1,645 | 1,318 | 110 | Dubbo        | 1,190 | 887 | 1,278 | 908 | 1,488 | 1,073 | 1,819 | 1,322 | 110 | Dubbo      | 1,190 | 887 | 1,278 | 908 | 1,488 | 1,073 | 1,819 | 1,322 |
| 11                           | Grafton      | 919   | 632 | 922   | 654 | 1,181 | 913   | 1,254 | 935 | 1,398 | 1,086 | 1,640 | 1,300 | 111 | Forbes       | 1,131 | 886 | 1,215 | 908 | 1,421 | 1,064 | 1,692 | 1,290 | 111 | Forbes     | 1,131 | 886 | 1,215 | 908 | 1,421 | 1,064 | 1,692 | 1,290 |
| 12                           | Hay          | 918   | 688 | 989   | 740 | 1,277 | 1,006 | 1,200 | 889 | 1,406 | 1,068 | 1,695 | 1,339 | 112 | Glen Innes   | 1,101 | 859 | 1,246 | 895 | 1,392 | 1,041 | 1,587 | 1,187 | 112 | Glen Innes | 1,101 | 859 | 1,246 | 895 | 1,392 | 1,041 | 1,587 | 1,187 |
| 13                           | Lismore      | 931   | 695 | 1,042 | 723 | 1,213 | 860   | 1,353 | 938 | 1,535 | 1,120 | 1,694 | 1,250 | 113 | Grenfell     | 1,231 | 902 | 1,310 | 927 | 1,603 | 1,109 | 1,749 | 1,285 | 113 | Grenfell   | 1,231 | 902 | 1,310 | 927 | 1,603 | 1,109 | 1,749 | 1,285 |
| 14                           | Lithgow      | 915   | 628 | 938   | 625 | 1,227 | 894   | 1,263 | 912 | 1,459 | 1,090 | 1,678 | 1,275 | 114 | Gunnedah     | 1,252 | 870 | 1,271 | 888 | 1,456 | 1,112 | 1,670 | 1,294 | 114 | Gunnedah   | 1,252 | 870 | 1,271 | 888 | 1,456 | 1,112 | 1,670 | 1,294 |
| 15                           | Morree       | 981   | 681 | 1,041 | 696 | 1,256 | 937   | 1,408 | 960 | 1,599 | 1,190 | 1,832 | 1,386 | 115 | Inverell     | 1,201 | 841 | 1,312 | 955 | 1,570 | 1,178 | 1,714 | 1,323 | 115 | Inverell   | 1,201 | 841 | 1,312 | 955 | 1,570 | 1,178 | 1,714 | 1,323 |
| 16                           | Mudgee       | 824   | 569 | 895   | 640 | 1,131 | 863   | 1,175 | 888 | 1,430 | 1,099 | 1,668 | 1,271 | 116 | Junee        | 1,233 | 885 | 1,279 | 902 | 1,505 | 1,083 | 1,691 | 1,263 | 116 | Junee      | 1,233 | 885 | 1,279 | 902 | 1,505 | 1,083 | 1,691 | 1,263 |
| 17                           | Queanbeyan   | 1,052 | 650 | 980   | 635 | 1,213 | 906   | 1,194 | 914 | 1,421 | 1,105 | 1,657 | 1,340 | 117 | Katoomba     | 1,325 | 847 | 1,368 | 928 | 1,579 | 1,101 | 1,837 | 1,307 | 117 | Katoomba   | 1,325 | 847 | 1,368 | 928 | 1,579 | 1,101 | 1,837 | 1,307 |
| 18                           | Tamworth     | 902   | 599 | 1,066 | 649 | 1,231 | 874   | 1,247 | 911 | 1,469 | 1,122 | 1,648 | 1,238 | 118 | Kempsey      | 1,120 | 862 | 1,186 | 908 | 1,351 | 1,061 | 1,600 | 1,290 | 118 | Kempsey    | 1,120 | 862 | 1,186 | 908 | 1,351 | 1,061 | 1,600 | 1,290 |
| 19                           | Wagga Wagga  | 967   | 584 | 949   | 670 | 1,172 | 834   | 1,315 | 875 | 1,484 | 1,018 | 1,828 | 1,204 | 119 | Maitland     | 1,087 | 822 | 1,182 | 870 | 1,411 | 1,070 | 1,612 | 1,274 | 119 | Maitland   | 1,087 | 822 | 1,182 | 870 | 1,411 | 1,070 | 1,612 | 1,274 |
| 20                           | Yass         | 943   | 637 | 1,040 | 676 | 1,251 | 948   | 1,239 | 911 | 1,492 | 1,159 | 1,810 | 1,431 | 120 | Moss Vale    | 1,258 | 899 | 1,251 | 901 | 1,516 | 1,076 | 1,829 | 1,318 | 120 | Moss Vale  | 1,258 | 899 | 1,251 | 901 | 1,516 | 1,076 | 1,829 | 1,318 |
| 21                           | West Wyalong | 986   | 631 | 952   | 669 | 1,130 | 890   | 1,278 | 935 | 1,474 | 1,123 | 1,672 | 1,322 | 121 | Narrabri     | 1,190 | 877 | 1,313 | 926 | 1,598 | 1,192 | 1,704 | 1,283 | 121 | Narrabri   | 1,190 | 877 | 1,313 | 926 | 1,598 | 1,192 | 1,704 | 1,283 |
| 22                           | MELBOURNE    | 984   | 568 | 1,019 | 628 | 1,240 | 852   | 1,304 | 861 | 1,472 | 995   | 1,780 | 1,246 | 122 | Norwa        | 1,210 | 834 | 1,219 | 888 | 1,440 | 1,065 | 1,639 | 1,221 | 122 | Norwa      | 1,210 | 834 | 1,219 | 888 | 1,440 | 1,065 | 1,639 | 1,221 |
| 23                           | Ballarat     | 767   | 566 | 845   | 636 | 1,084 | 874   | 1,051 | 842 | 1,203 | 979   | 1,547 | 1,265 | 123 | Orange       | 1,153 | 879 | 1,238 | 941 | 1,471 | 1,088 | 1,724 | 1,277 | 123 | Orange     | 1,153 | 879 | 1,238 | 941 | 1,471 | 1,088 | 1,724 | 1,277 |
| 24                           | Bendigo      | 815   | 573 | 873   | 641 | 1,068 | 843   | 1,080 | 826 | 1,207 | 935   | 1,527 | 1,207 | 124 | Parkes       | 1,262 | 911 | 1,272 | 924 | 1,475 | 1,070 | 1,742 | 1,327 | 124 | Parkes     | 1,262 | 911 | 1,272 | 924 | 1,475 | 1,070 | 1,742 | 1,327 |
| 25                           | Geelong      | 872   | 579 | 943   | 639 | 1,145 | 849   | 1,132 | 821 | 1,340 | 984   | 1,601 | 1,200 | 125 | Temora       | 1,197 | 859 | 1,233 | 920 | 1,455 | 1,105 | 1,610 | 1,229 | 125 | Temora     | 1,197 | 859 | 1,233 | 920 | 1,455 | 1,105 | 1,610 | 1,229 |
| 26                           | Warrnambool  | 885   | 581 | 914   | 620 | 1,152 | 868   | 1,172 | 863 | 1,353 | 972   | 1,711 | 1,281 | 126 | Wellington   | 1,141 | 838 | 1,237 | 902 | 1,456 | 1,108 | 1,681 | 1,298 | 126 | Wellington | 1,141 | 838 | 1,237 | 902 | 1,456 | 1,108 | 1,681 | 1,298 |
| 27                           | Ararat       | 823   | 577 | 915   | 641 | 1,179 | 895   | 1,160 | 879 | 1,302 | 1,021 | 1,707 | 1,313 | 127 | Wollongong   | 1,180 | 874 | 1,243 | 911 | 1,447 | 1,090 | 1,651 | 1,255 | 127 | Wollongong | 1,180 | 874 | 1,243 | 911 | 1,447 | 1,090 | 1,651 | 1,255 |
| 28                           | Bairnsdale   | 798   | 579 | 838   | 615 | 1,155 | 903   | 1,138 | 876 | 1,320 | 1,052 | 1,674 | 1,281 | 128 | Young        | 1,180 | 874 | 1,243 | 911 | 1,447 | 1,090 | 1,651 | 1,255 | 128 | Young      | 1,180 | 874 | 1,243 | 911 | 1,447 | 1,090 | 1,651 | 1,255 |
| 29                           | Camperdown   | 866   | 572 | 915   | 625 | 1,101 | 818   | 1,148 | 865 | 1,300 | 975   | 1,596 | 1,219 | 129 | Beechworth   | 1,059 | 893 | 1,017 | 851 | 1,176 | 955   | 1,541 | 1,294 | 129 | Beechworth | 1,059 | 893 | 1,017 | 851 | 1,176 | 955   | 1,541 | 1,294 |
| 30                           | Castlemaine  | 773   | 547 | 911   | 636 | 1,137 | 862   | 1,138 | 864 | 1,283 | 1,005 | 1,608 | 1,292 | 130 | Benalla      | 1,153 | 879 | 1,142 | 855 | 1,308 | 977   | 1,579 | 1,244 | 130 | Benalla    | 1,153 | 879 | 1,142 | 855 | 1,308 | 977   | 1,579 | 1,244 |
| 31                           | Creswick     | 730   | 577 | 808   | 636 | 1,056 | 883   | 1,055 | 858 | 1,145 | 1,018 | 1,401 | 1,270 | 131 | Bright       | 1,118 | 921 | 1,094 | 868 | 1,256 | 1,026 | 1,515 | 1,285 | 131 | Bright     | 1,118 | 921 | 1,094 | 868 | 1,256 | 1,026 | 1,515 | 1,285 |
| 32                           | Daylesford   | 779   | 590 | 817   | 638 | 1,073 | 885   | 1,080 | 853 | 1,222 | 1,026 | 1,534 | 1,291 | 132 | Colac        | 1,161 | 856 | 1,213 | 879 | 1,322 | 1,013 | 1,690 | 1,291 | 132 | Colac      | 1,161 | 856 | 1,213 | 879 | 1,322 | 1,013 | 1,690 | 1,291 |
| 33                           | Echuca       | 811   | 607 | 857   | 672 | 1,081 | 876   | 1,089 | 862 | 1,208 | 985   | 1,624 | 1,306 | 133 | Dunnolly     | 1,045 | 853 | 994   | 847 | 1,108 | 936   | 1,319 | 1,147 | 133 | Dunnolly   | 1,045 | 853 | 994   | 847 | 1,108 | 936   | 1,319 | 1,147 |
| 34                           | Hamilton     | 871   | 594 | 926   | 636 | 1,275 | 924   |       |     |       |       |       |       |     |              |       |     |       |     |       |       |       |       |     |            |       |     |       |     |       |       |       |       |



the Commonwealth. In Queensland, Winton has the highest index-number, whether the combined expenditure includes four or five rooms. The combined index-number for Winton is 12.1 per cent. for four rooms, and 11.3 per cent. for five rooms, above the Commonwealth averages, while Toowoomba has the lowest index-number for four rooms, being 17.4 per cent. below the average, and Chillagoe the lowest combined index-number for five-roomed houses, being 18.0 per cent. below the average. In South Australia Renmark has the highest, and Kapunda the lowest index-number in both cases. The index-number for Renmark is 7.3 per cent. for four rooms, and 8.0 per cent. for five rooms above, and for Kapunda, 15.4 per cent. for four rooms, and 17.2 per cent. for five rooms below the weighted averages for the Commonwealth. In Western Australia, Carnarvon has the highest combined index-number for houses of both four and five rooms, being 9.5 per cent. for the former, and 5.2 per cent. for the latter, above the average. Ravensthorpe has the lowest combined index-number for both four and five rooms. In the former case it is 12.3 per cent., and in the latter 13.6 per cent. below the Commonwealth average. Hobart has the highest combined index-number in Tasmania, being 9.9 per cent. for four rooms, and 9.0 per cent. for five rooms above the average. Beaconsfield has the lowest combined index-number, being 21.8 per cent. below the average, when combined expenditure for four rooms is taken, and 24.7 per cent. below the average including five rooms.

**6. Variation in Purchasing-Power-of-Money Index-Numbers, 1913 to 1920.**—On the map facing page 62, index-numbers are given which represent the relative purchasing-power-of-money in each of the 100 towns in 1913 and 1914, and also shew the increase or decrease in 100 towns between *November, 1913*, and the same month in 1914, 1915, 1918, 1919, and 1920. In these index-numbers the *weighted average expenditure in 1913* on food, groceries, and rent of five-roomed houses is taken as base (= 1000, see end of first column). The second column represents the proportional expenditure in each town on food and groceries only, so that the difference between the index-number in the first column and that in the second column for any town represents the relative expenditure on rent in November, 1913. In the third and fourth columns shewing purchasing-power-of-money index-numbers for November, 1914, the same base is retained, with the result that the figures shew not only the relative cost in that month, but also the increase or decrease in cost during the periods indicated. Similarly, the index-numbers in the fifth and sixth, seventh and eighth, ninth and tenth, eleventh and twelfth, columns are again computed to the original base, so that they shew both the relative cost of food and groceries as between the several towns, and the variation in cost in each individual town since November, 1913.\* Thus it may be seen that in Sydney the purchasing-power-of-money index-number increased from 1109 to 1796, a rise of 61.9 per cent., between November, 1913, and November, 1920. The figures shew, moreover, that the purchasing-power-of-money index-number in Sydney (1109) was 10.9 per cent. above the Commonwealth average (1000)

\* See note at foot of Table on Map facing p. 62.

in November, 1913, while twelve months later the index-number (1124) was 8.6 per cent. above the Commonwealth average (1035); in November, 1915, it was 1321, or 7.1 per cent. above the Commonwealth average (1234); in November, 1918, it was 1372 or 7.0 per cent. above the Commonwealth average (1282); in November, 1919, it was 1586, or 7.4 per cent. above the Commonwealth average (1477); and in November, 1920, it was 1796, or 5.1 per cent. above the Commonwealth average (1709). Again, as regards cost of food and groceries only, the index-number in Sydney in 1913 was 634, or 2.1 per cent. above the Commonwealth average (621); in November, 1914, the corresponding number was 651; in November, 1915, 861; in November, 1918, 896; in November, 1919, 1096, and in November, 1920, 1251, shewing that the cost increased from November, 1913, to November, 1920, by 97.3 per cent., and was then 0.6 per cent. above the Commonwealth average (1243). The difference between the two index-numbers for Sydney in 1913 was 475; the corresponding difference in 1918, was 476; in 1919, was 490; and in 1920, was 545. This shews that rent of five-roomed houses was approximately the same in November, 1918, as in November, 1913, but in November, 1919, had increased 3.2 per cent., and in November, 1920, had further increased 11.2 per cent.

It has already been explained that the list of towns from which information as to prices and house rents is collected annually has been extended, and for November, 1915 to 1920, was 150. The index-numbers for the 50 additional towns for November, 1915 to 1920, are shewn in columns 13 to 20 on the map. They are computed to the same base as the 100 towns, and are therefore comparable with them in all respects. Thus, it may be seen that comparing Melbourne and Bright, the index-number for food and groceries in November, 1915, was 852 for Melbourne, and 921 for Bright, shewing that the cost of food and groceries was 8.1 per cent. higher in Bright than in Melbourne. Again, taking the difference between the two index-numbers for November, 1920, in each case, it may be seen that the index-number for rent of five-roomed houses was in Melbourne 534, and in Bright 230. Thus the rent of five-roomed houses was at that period 56.9 per cent. less in Bright than in Melbourne.

**7. Comparisons between Results obtained from Special Investigation and Quarterly Results.**—In order to ascertain the degree of accuracy to which the investigations as to variations in the purchasing-power of money made prior to 1912 for the capital towns only, and those made since the beginning of 1912 for the thirty towns, reflect the conditions obtaining throughout the States and Commonwealth, comparisons between the three sets of results were made in connection with the inquiry of November, 1913 to 1919. Similar comparisons are now made in connection with the 1920 inquiry. In the following table



the first line in each section shews the results obtained, as to relative purchasing-power of money, from the special inquiry covering in all 150 towns. The second line gives the results obtained from the returns received for the month of November, 1920, for the five towns in each State from which regular monthly returns are received, and the last line the results obtained from the November returns for the capital towns only. The capital towns are, of course, included in each of the other two investigations, and the five towns in each State are included in the investigation for "all towns":—

**Relative Purchasing-Power-of-Money Index-Numbers. Comparisons between Results obtained from Special Investigation and from Ordinary Periodic Returns, November, 1920.**

| Particulars. | N.S.W. | Vic. | Q'land. | S.A. | W.A. | Tas. | W'gh't<br>Aver-<br>age. |
|--------------|--------|------|---------|------|------|------|-------------------------|
|--------------|--------|------|---------|------|------|------|-------------------------|

**FOOD AND GROCERIES.**

|                          |       |       |     |       |     |       |              |
|--------------------------|-------|-------|-----|-------|-----|-------|--------------|
| All Towns* .. ..         | 1,020 | 1,004 | 937 | 1,006 | 952 | 1,044 | <b>1,000</b> |
| Five Towns in each State | 1,020 | 1,003 | 922 | 1,009 | 948 | 1,054 | <b>1,000</b> |
| Capital Towns only ..    | 1,013 | 1,009 | 923 | 1,013 | 920 | 1,069 | <b>1,000</b> |

**RENT, 5-ROOMED HOUSES.**

|                          |       |       |     |     |     |       |              |
|--------------------------|-------|-------|-----|-----|-----|-------|--------------|
| All Towns* .. ..         | 1,082 | 1,022 | 754 | 993 | 902 | 963   | <b>1,000</b> |
| Five Towns in each State | 1,095 | 1,023 | 714 | 966 | 879 | 959   | <b>1,000</b> |
| Capital Towns only ..    | 1,061 | 1,040 | 719 | 950 | 851 | 1,057 | <b>1,000</b> |

**FOOD AND GROCERIES AND RENT.**

|                          |       |       |     |       |     |       |              |
|--------------------------|-------|-------|-----|-------|-----|-------|--------------|
| All Towns* .. ..         | 1,037 | 1,009 | 887 | 1,002 | 938 | 1,022 | <b>1,000</b> |
| Five Towns in each State | 1,041 | 1,009 | 864 | 997   | 928 | 1,027 | <b>1,000</b> |
| Capital Towns only ..    | 1,027 | 1,018 | 863 | 995   | 900 | 1,066 | <b>1,000</b> |

\* For list of towns included, see Table on pages 57 to 60.

As regards variations in cost of living for November, 1914 to 1920, compared with November, 1913, the index-numbers for November, 1914 to 1920, computed from the three sets of data mentioned above are shewn in the following table :—

**Variations in Purchasing-Power-of-Money Price Index-Numbers, Results obtained from Annual Inquiry for extended List of Towns and from Periodic Monthly Inquiries, November, 1913 to 1920.**

| Particulars. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|

**FOOD AND GROCERIES.**

|                          |              |       |       |       |       |       |       |       |
|--------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|
| All Towns* .. ..         | <b>1,000</b> | 1,072 | 1,405 | 1,353 | 1,395 | 1,435 | 1,706 | 2,002 |
| Five Towns in each State | <b>1,000</b> | 1,073 | 1,404 | 1,354 | 1,390 | 1,430 | 1,701 | 2,007 |
| Capital Towns only ..    | <b>1,000</b> | 1,072 | 1,408 | 1,358 | 1,397 | 1,440 | 1,715 | 2,021 |

**RENT OF 5-ROOMED HOUSES.**

|                          |              |     |     |     |     |       |       |       |
|--------------------------|--------------|-----|-----|-----|-----|-------|-------|-------|
| All Towns* .. ..         | <b>1,000</b> | 974 | 952 | 959 | 981 | 1,031 | 1,103 | 1,228 |
| Five Towns in each State | <b>1,000</b> | 969 | 961 | 966 | 987 | 1,039 | 1,110 | 1,235 |
| Capital Towns only ..    | <b>1,000</b> | 975 | 955 | 961 | 980 | 1,033 | 1,099 | 1,225 |

**FOOD, GROCERIES, AND RENT.**

|                          |              |       |       |       |       |       |       |       |
|--------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|
| All Towns* .. ..         | <b>1,000</b> | 1,035 | 1,234 | 1,204 | 1,238 | 1,282 | 1,477 | 1,709 |
| Five Towns in each State | <b>1,000</b> | 1,033 | 1,232 | 1,203 | 1,234 | 1,278 | 1,471 | 1,706 |
| Capital Towns only ..    | <b>1,000</b> | 1,032 | 1,223 | 1,196 | 1,227 | 1,274 | 1,464 | 1,697 |

*NOTE.—The figures in the vertical columns do not, of course, shew relative purchasing-power-of-money index-numbers. They shew merely the increase or decrease in cost in November, of each year, compared with November, 1913, for "All Towns," "Five Towns in each State," and "Capital Towns only" respectively.*

\* See footnote to preceding table.

The index-numbers in the first line of each part of the latter table refer to 100 towns for November, 1913 and 1914, and to 150 towns for November, 1915 to 1920. The general closeness of the results shewn in these two tables is remarkable, and is a further confirmation of the conclusions previously stated, that the index-numbers published for the capital towns only, for the years prior to 1912, and for the thirty towns for 1912 and subsequent years, reflect, with a substantial degree of accuracy, the variations in the purchasing-power-of-money index-numbers, not only in each State separately, but also throughout the Commonwealth as a whole. The second table also shews that during the period November, 1913, to November, 1920, the average cost of food and groceries throughout the Commonwealth increased over 100 per cent., house rents increased over 22 per cent., the aggregate result shewing an increase of approximately 70 per cent.

## SECTION VI.—WHOLESALE PRICES.

1. **General.**—The results of an investigation into wholesale prices in Melbourne from 1861 to 1919 were given in some detail in Reports Nos. 1, 2, 5, 6, 7, 8, 9 and 10. In this Section results are now included for the year 1920.

The data upon which the investigation is based were obtained mainly from reports of Melbourne market prices, published in the ordinary press, and in special trade reviews. In any case of doubt as to the reliability of the figures, the records thus obtained were verified by reference to well-known and important business firms dealing in the articles in question. Every care was taken to ensure that the prices quoted for each article refer to a uniform quality, and, in cases where more than one source of information was utilised for obtaining prices of single commodities, special precautions were taken to ensure substantial continuity of quality or grade. In most cases, monthly prices were obtained (but where daily or weekly quotations were available, these were adopted), and arithmetic averages for the several years were computed. In regard, however, to a few commodities, such as coal, tea, cotton and wool, since monthly prices were not available for back years, yearly averages, based in each case on reliable data, were secured.

It was at first intended to obtain records, on the lines indicated, for a uniform list of commodities for the capital town of each State. Owing, however, to the large amount of work involved, and to the difficulty experienced in obtaining regularly the prices of anything like a uniform representative list of commodities from the papers and journals published in some of these towns, this idea has for the present been abandoned.

2. **Commodities Included and Methods Adopted.**—Retail prices have the advantage that a comparatively small list of commodities suffices to represent a large proportion of the average expenditure. They are, however, subject to the difficulty that their variations depend largely upon local conditions, and it is, therefore, ordinarily necessary to collect the data over a wide area. Wholesale prices, on the other hand, are fixed usually at one or two centres, but a much larger list of commodities must be covered.

The index-numbers up to the year 1911 are based on the prices of eighty commodities, but since that year the number has been increased to ninety-two.\* The methods followed for the computation of the wholesale price index-numbers are the same as those adopted in regard to retail prices. The commodities included, the units of measurement for which the prices are taken, and the mass-units, indicating the relative extent to which each commodity, in the units of measurement specified, is used or consumed, are shewn in the following statement.

\* In the computation of the index-numbers for years prior to 1911, the aggregate expenditure on 80 commodities in 1911 is taken as base (=1000), while for later years the aggregate expenditure on 92 commodities in 1911 is taken.

# Melbourne Wholesale Prices, Commodities included, Units of Measurement, and "Mass-Units."

| Commodity.     | Brand.      | Unit.    | Mass Unit. | Commodity.      | Brand            | Unit.        | Mass Unit |
|----------------|-------------|----------|------------|-----------------|------------------|--------------|-----------|
| GROUP I.       |             |          |            | GROUP V.        |                  |              |           |
| Iron—          |             |          |            | Currants        |                  | lb.          | 1,400     |
| Pig            | M'x'd Nos.  | ton      | 6½         | Raisins         | Sultanas         | doz. 1 lb.   | 1,400     |
| Rod and Bar    | Stafford    | "        | 3½         | Herrings        | 1-lb. fresh      | tins         | 50        |
| Angle and T    | "           | "        | 3½         | Salmon          | 1 lb. tall       | "            | 50        |
| Plate          | "           | "        | 3          |                 | Alaska           | "            |           |
| Hoop           | "           | "        | 5½         | Sardines        | Halves           | doz. halves  | 100       |
| Galvanized     | 26 gauge    | "        | 5          | Coffee          | Plantation       | lb.          | 200       |
| Tinned Plates  | I.C. Coke   | cwt.     | 60         | Cocoa           | Taylor's         | "            | 100       |
| Fencing Wire   | No. 8       | ton      | 6          | Sugar           | No. 1A           | ton          | 22        |
| Zinc, Sheet    | "           | "        | 1          | Macaroni        | "                | lb.          | 200       |
| Lead, Sheet    | "           | "        | 2½         | Sago            | "                | cwt.         | 7         |
| " Pipes        | "           | lb.      | 2,000      | Rice            | "                | ton          | 2         |
| Copper Sheet   | "           | "        | 12         | Salt            | Australian       | "            | 7         |
| Quicksilver    | Newcastle   | ton      | 600        |                 | fine             | "            |           |
| Coal           | on Wharf    |          |            | Salt            | Rock             | "            | 1         |
|                |             | Total    | 2,702½     | Mustard         | Coleman's        | doz. 1 lb.   | 6         |
| GROUP II.      |             |          |            |                 |                  | tins         |           |
| Branbags       |             | doz.     | 110        | Starch          | Coleman's        | lb.          | 100       |
| Cornsacks      |             | each     | 250        |                 | White            | "            | 50        |
| Woolpacks      |             | "        | 200        | Blue            | Keen's           | "            | 90        |
| Leather—       |             |          |            | Matches         | Aust'n.          | gross        |           |
| Waxed Kip      |             | lb.      | 600        |                 | Safety           | "            |           |
| Waxed Split    |             | "        | 600        | Candles         | Rangoon          | lb.          | 1,600     |
| Medium Crop    |             | "        | 600        | Tobacco         | Two Seas in      | "            | 1,300     |
| Cotton         | Raw         | "        | 24,000     | Tea             | Po'ket Pcs.      | "            | 3,000     |
| Wool           | Greasy      | "        | 12,200     | Kerosene        |                  | gallon       | 1,700     |
| Twine          | Reaper and  | "        | 150        |                 |                  | Total        | 11,385    |
|                | Binder      | "        |            | GROUP VI.       |                  |              |           |
| Tallow         | Mutton      | ton      | 1½         | Beef            | Average quality. | 100 lbs.     | 390       |
|                | Prime       |          |            | Mutton          | "                | lb.          | 33,000    |
|                |             | Total    | 38,711½    | Veal            | "                | "            | 2,000     |
| GROUP III.     |             |          |            | Lamb            | "                | "            | 5,600     |
| Wheat          |             | bushel   | 500        | Pork            | "                | "            | 3,700     |
| Flour          |             | ton      | 48         |                 |                  | Total        | 44,690    |
| Bran           |             | "        | 14         | GROUP VII.      |                  |              |           |
| Pollard        |             | "        | 14         | Timber :—       | Flooring         | 100 ft. lin. | 30        |
| Oats           | Millin's    | bushel   | 1,200      |                 | " 6 x 1½         | "            | 30        |
| Oatmeal        | Colonial    | ton      | 1½         |                 | " 6 x 1½         | "            | 30        |
| Barley         | Malting     | bushel   | 150        |                 | " 6 x 2½         | "            | 30        |
| "              | Feed        | "        | 100        |                 | " 6 x 2½         | "            | 30        |
| Maize          | "           | "        | 1,000      |                 | Weather-boards   | "            | 200       |
| Hay            | Best M'ng'r | ton      | 135        |                 | Oregon           | 1000 ft. sup | 20        |
| Chaff          | Good eaten  | "        | 135        |                 | Shelving         | "            | 10        |
| Straw          | Victorian   | "        | 25         |                 | Portland         | cask         | 30        |
| Peas           |             | bushel   | 55         | Cement          | White Lead       | ton          | 1½        |
| Potatoes       |             | ton      | 40         | Slates          | Welsh            | 1,000        | 1½        |
| Malt           | Victorian   | bushel   | 140        |                 | 20 x 10          |              |           |
| Onions         |             | ton      | 3          |                 |                  | Total        | 381½      |
|                |             | Total    | 3,560½     | GROUP VIII.     |                  |              |           |
| GROUP IV.      |             |          |            | Cream of Tartar | In Kegs          | lb.          | 400       |
| Ham            |             | lb.      | 800        | Carbonate of    |                  | ton          | 1         |
| Bacon          |             | "        | 3,200      | Soda            | Refined          | "            | 20        |
| Cheese         | Best Fresh  | "        | 1,500      | Sulphur         | "                | "            | 7½        |
| Butter         | Bulk        | "        | 9,500      | Caustic Soda    | Lump             | cwt.         | 7         |
| Lard           | Ordinary    | doz.     | 200        | Alum            |                  | ton          | 1½        |
| Eggs           |             | lb.      | 1,800      | Cyanide         |                  | lb.          | 570       |
| Honey          |             | "        | 600        | Potassium       |                  |              |           |
| Beeswax        | Bacchus     | doz. lb. | 40         |                 |                  | Total        | 978½      |
| Condensed Milk | Marsh       | "        | 160        |                 |                  |              |           |
|                |             | Total    | 17,800     |                 |                  |              |           |

3. **Index Numbers.**—Index-numbers have been computed for each group of commodities, as well as for all groups. These index-numbers are shewn in the following table :—

**Melbourne Wholesale Prices, Index-Numbers, 1861 to 1920, Computed to Year 1911 as Base (= 1000).**

| YEAR.   | I.<br>Metals<br>and<br>Coal. | II.<br>Jute,<br>Leather,<br>&c. | III.<br>Agricul-<br>turalPro-<br>duce,&c. | IV.<br>Dairy<br>Produce. | V.<br>Grocer-<br>ies. | VI.<br>Meat. | VII.<br>Building<br>Materials | VIII.<br>Chemicals. | All Com-<br>modities<br>together. |
|---------|------------------------------|---------------------------------|---|--------------------------|-----------------------|--------------|-------------------------------|---------------------|-----------------------------------|
| 1861 .. | 1,438                        | 1,381                           | 1,583                                     | 1,008                    | 1,963                 | ..           | 1,070                         | 2,030               | 1,538                             |
| 1871 .. | 1,096                        | 1,257                           | 1,236                                     | 864                      | 1,586                 | ..           | 1,044                         | 1,409               | 1,229                             |
| 1881 .. | 1,178                        | 1,115                           | 1,012                                     | 935                      | 1,421                 | ..           | 1,091                         | 1,587               | 1,121                             |
| 1891 .. | 895                          | 847                             | 1,024                                     | 995                      | 1,032                 | 888          | 780                           | 1,194               | 945                               |
| 1901 .. | 1,061                        | 774                             | 928                                       | 1,029                    | 1,048                 | 1,345        | 841                           | 917                 | 974                               |
| 1911 .. | 1,000                        | 1,000                           | 1,000                                     | 1,000                    | 1,000                 | 1,000        | 1,000                         | 1,000               | 1,000                             |
| 1912 .. | 1,021                        | 991                             | 1,370                                     | 1,206                    | 1,052                 | 1,357        | 1,057                         | 978                 | 1,170                             |
| 1913 .. | 1,046                        | 1,070                           | 1,097                                     | 1,054                    | 1,024                 | 1,252        | 1,128                         | 995                 | 1,088                             |
| 1914 .. | 1,099                        | 1,032                           | 1,207                                     | 1,137                    | 1,021                 | 1,507        | 1,081                         | 1,253               | 1,149                             |
| 1915 .. | 1,284                        | 1,017                           | 2,162                                     | 1,530                    | 1,133                 | 2,435        | 1,275                         | 1,528               | 1,604                             |
| 1916 .. | 1,695                        | 1,423                           | 1,208                                     | 1,485                    | 1,322                 | 2,515        | 1,491                         | 1,760               | 1,504                             |
| 1917 .. | 2,129                        | 2,008                           | 1,157                                     | 1,423                    | 1,343                 | 2,403        | 1,884                         | 2,171               | 1,662                             |
| 1918 .. | 2,416                        | 2,360                           | 1,444                                     | 1,454                    | 1,422                 | 2,385        | 2,686                         | 3,225               | 1,934                             |
| 1919 .. | 2,125                        | 2,363                           | 1,985                                     | 1,651                    | 1,516                 | 2,348        | 2,851                         | 2,898               | 2,055                             |
| 1920 .. | 2,298                        | 2,624                           | 2,439                                     | 2,209                    | 1,918                 | 3,279        | 3,226                         | 2,825               | 2,480                             |

NOTE.—The figures given in this table are comparable in the vertical columns, but are not directly comparable horizontally. The index-numbers are reversible.

The index-numbers have in each case been computed with the prices in the year 1911 as base ; that is to say, they shew the amount which would have had to be expended in each of the years specified in order to purchase what would have cost £1000 in 1911 distributed in purchasing the relative quantities (indicated by the mass-units) of the several commodities included in such group, and in all groups respectively. Thus, in the last column it may be seen that the cost of the relative quantities of the various commodities was 1229 in 1871, and 974 in 1901, as compared with 1000 in 1911 and 2480 in 1920. In other words, prices were lower in 1911 than in either 1871 or 1920, and the purchasing-power in money in 1911 was accordingly greater. Again, prices were higher in 1911 than in 1901, and the purchasing-power of money in the former year was therefore less.

The general index-number for the year 1920 shews an increase of 20.6 per cent. compared with that for 1919. With the exception of Group VIII. (Chemicals), which shows a decrease of 2.5 per cent., all groups shew increases, ranging from 8.3 per cent. in the case of Group I. (Metals and Coal) to 39.5 per cent. in the case of Group VI. (Meat).

The index-numbers for the full period since 1871 (and for 1861 and 1866) are given in Report No. 1, page 48. On page 74 hereinafter a graph is given shewing the index-numbers since 1901 for all groups taken together.

4. **Variations in Price Levels of Commodity Groups for each Quarter of 1920.**—In the following table are shewn the index-numbers for the four quarters of 1920 and the first quarter of 1921 :—

**Melbourne Wholesale Prices, Quarterly Index-Numbers for 1920, and First Quarter, 1921 (Base 1911 = 1000).**

| GROUP.                         | No. of Com-<br>modities | INDEX NUMBERS.                |                               |                               |                              |                               |
|--------------------------------|-------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|
|                                |                         | Jan.<br>to<br>March,<br>1920. | April<br>to<br>June,<br>1920. | July<br>to<br>Sept.,<br>1920. | Oct.<br>to<br>Dec.,<br>1920. | Jan.<br>to<br>March,<br>1921. |
| I. Metals and Coal .. ..       | 14                      | 2,150                         | 2,306                         | 2,318                         | 2,418                        | 2,316                         |
| II. Textiles, Leather, etc. .. | 10                      | 3,040                         | 2,897                         | 2,627                         | 1,933                        | 1,395                         |
| III. Agricultural Produce ..   | 16                      | 2,415                         | 2,662                         | 2,515                         | 2,161                        | 2,011                         |
| IV. Dairy Produce .. ..        | 9                       | 1,819                         | 2,139                         | 2,333                         | 2,548                        | 2,488                         |
| V. Groceries .. ..             | 21                      | 1,639                         | 2,009                         | 2,000                         | 2,024                        | 2,032                         |
| VI. Meat .. ..                 | 5                       | 2,387                         | 2,901                         | 4,417                         | 3,406                        | 2,987                         |
| VII. Building Materials ..     | 10                      | 3,164                         | 3,332                         | 3,337                         | 3,072                        | 3,237                         |
| VIII. Chemicals .. ..          | 7                       | 2,800                         | 2,984                         | 2,850                         | 2,664                        | 2,463                         |
| ALL GROUPS* .. ..              | 92                      | 2,351                         | 2,567                         | 2,650                         | 2,352                        | 2,164                         |

\* Weighted average.

**5. Variations in Price Levels since the Outbreak of the War.—**

The variations in the index-numbers of the separate commodity groups for the years 1915 to 1920, and for each month from January, 1921 to July, 1921, are shewn in the following table, taking July, 1914, the last month before the outbreak of war, as base (= 1000) for each group:—

**Melbourne Wholesale Prices, Index-Numbers, July 1914, Years 1915 to 1920, and Monthly January, 1921 to July, 1921 (Base July 1914 = 1000).**

| Particulars.  | I.<br>Metals<br>and<br>Coal. | II.<br>Textiles,<br>Leather,<br>etc. | III.<br>Agri-<br>cultural<br>Produce. | IV.<br>Dairy<br>Pro-<br>duce. | V.<br>Groceries | VI.<br>Meat. | VII.<br>Building<br>Mater-<br>ials. | VIII.<br>Chem-<br>icals. | All<br>Groups. |
|---------------|------------------------------|--------------------------------------|---------------------------------------|-------------------------------|-----------------|--------------|-------------------------------------|--------------------------|----------------|
| July 1914 ..  | 1,000                        | 1,000                                | 1,000                                 | 1,000                         | 1,000           | 1,000        | 1,000                               | 1,000                    | 1,000          |
| Year 1915 ..  | 1,166                        | 934                                  | 2,024                                 | 1,272                         | 1,098           | 1,502        | 1,164                               | 1,490                    | 1,406          |
| " 1916 ..     | 1,539                        | 1,307                                | 1,130                                 | 1,235                         | 1,235           | 1,551        | 1,361                               | 1,716                    | 1,318          |
| " 1917 ..     | 1,919                        | 1,841                                | 1,084                                 | 1,181                         | 1,302           | 1,480        | 1,722                               | 2,141                    | 1,656          |
| " 1918 ..     | 2,197                        | 2,324                                | 1,351                                 | 1,210                         | 1,378           | 1,469        | 2,448                               | 3,085                    | 1,495          |
| " 1919 ..     | 1,930                        | 2,169                                | 1,858                                 | 1,373                         | 1,469           | 1,448        | 2,602                               | 2,827                    | 1,801          |
| " 1920 ..     | 2,091                        | 2,430                                | 2,238                                 | 1,440                         | 1,860           | 2,022        | 2,941                               | 2,764                    | 2,178          |
| January 1920  | 1,889                        | 2,729                                | 2,265                                 | 1,432                         | 1,555           | 1,466        | 2,820                               | 2,678                    | 2,026          |
| February "    | 1,919                        | 2,832                                | 2,269                                 | 1,490                         | 1,608           | 1,486        | 2,867                               | 2,717                    | 2,063          |
| March "       | 2,051                        | 2,805                                | 2,256                                 | 1,615                         | 1,602           | 1,456        | 2,977                               | 2,797                    | 2,089          |
| April "       | 2,051                        | 2,733                                | 2,339                                 | 1,690                         | 1,924           | 1,600        | 2,977                               | 2,797                    | 2,173          |
| May "         | 2,135                        | 2,648                                | 2,519                                 | 1,765                         | 1,965           | 1,695        | 3,074                               | 2,972                    | 2,250          |
| June "        | 2,135                        | 2,597                                | 2,613                                 | 1,870                         | 1,951           | 2,079        | 3,074                               | 2,972                    | 2,330          |
| July "        | 2,109                        | 2,518                                | 2,438                                 | 1,844                         | 1,923           | 2,069        | 3,069                               | 2,834                    | 2,341          |
| August "      | 2,094                        | 2,509                                | 2,384                                 | 1,889                         | 1,933           | 2,339        | 3,116                               | 2,817                    | 2,360          |
| September "   | 2,113                        | 2,223                                | 2,305                                 | 2,094                         | 1,962           | 2,729        | 2,953                               | 2,755                    | 2,295          |
| October "     | 2,216                        | 2,002                                | 2,084                                 | 2,140                         | 1,963           | 2,258        | 2,885                               | 2,755                    | 2,147          |
| November "    | 2,216                        | 1,801                                | 2,060                                 | 2,115                         | 1,951           | 2,113        | 2,808                               | 2,551                    | 2,078          |
| December "    | 2,163                        | 1,560                                | 1,928                                 | 2,093                         | 1,980           | 1,934        | 2,711                               | 2,519                    | 1,968          |
| January, 1921 | 2,151                        | 1,452                                | 1,972                                 | 2,083                         | 1,967           | 1,908        | 2,802                               | 2,444                    | 1,958          |
| February "    | 2,135                        | 1,324                                | 1,913                                 | 2,055                         | 1,967           | 1,837        | 3,033                               | 2,422                    | 1,920          |
| March "       | 2,025                        | 1,066                                | 1,755                                 | 2,066                         | 1,975           | 1,781        | 3,029                               | 2,340                    | 1,813          |
| April "       | 2,016                        | 1,144                                | 1,638                                 | 1,800                         | 1,963           | 1,433        | 2,839                               | 2,314                    | 1,706          |
| May "         | 1,944                        | 1,076                                | 1,613                                 | 1,754                         | 1,945           | 1,402        | 2,793                               | 2,243                    | 1,664          |
| June "        | 1,947                        | 1,052                                | 1,595                                 | 1,709                         | 1,880           | 1,338        | 2,496                               | 2,226                    | 1,617          |
| July "        | 1,945                        | 1,107                                | 1,579                                 | 1,655                         | 1,881           | 1,191        | 2,377                               | 2,198                    | 1,589          |

**6. Seasonal Fluctuations in Wholesale Prices, 1920.—**In order to shew the seasonal fluctuations in wholesale prices, index-numbers have been computed for each quarter of the year 1920. These are shewn in the following table, firstly, computed with the year 1911 as base, and

secondly, with the average prices for the year 1920 as base. Corresponding figures for purchasing-power of money (retail prices of food, groceries and of house rent) have been included for comparative purposes.

**Melbourne Wholesale and Retail Prices—Quarterly Index-Numbers, 1920.**

| Particulars.  | Jan.<br>to<br>March. | April<br>to<br>June. | July<br>to<br>Sept. | Oct.<br>to<br>Dec. | Whole<br>Year. |
|---|----------------------|----------------------|---------------------|--------------------|----------------|
| Wholesale Price Index-Numbers with 1911 as base<br>(= 1,000) .. .. .  | 2,351                | 2,567                | 2,650               | 2,352              | 2,480          |
| Wholesale Price Index-Numbers with average for<br>1920 as base (= 1,000) .. .. .                                    | 948                  | 1,035                | 1,069               | 948                | 1,000          |
| Retail Price (Food, Groceries, and House Rent)<br>Index-Numbers, with average for 1920 as<br>base (= 1,000) .. .. . | 917                  | 989                  | 1,059               | 1,035              | 1,000          |

The first two lines shew that in 1920 wholesale prices increased during the first three quarters, and fell during the fourth. The last line shews that retail prices also rose during the first three quarters, and fell during the fourth.

7. **Table of Prices, 1919 and 1920.**—In Appendix III. particulars are given as to the average prices of the particular brands of commodities used in computing the index-numbers in the years 1919 and 1920. Corresponding information for previous years, as far back as 1871, was given in the Appendixes to previous Reports.

## SECTION VII.—IMPORT AND EXPORT PRICE INDEX-NUMBERS.

1. **General.**—The list of commodities included in the investigation into import and export prices for the year 1919-1920, as well as the mass units, units of measurement, and sources of information, are the same as those in the previous investigations for the years 1901 to 1913, particulars of which are given on pages 66 to 68 of Report No. 1 on "Prices, Price Indexes and Cost of Living in Australia," and in Report No. 5, pp. 41 to 43. These index-numbers are computed annually, the data being obtained from the returns of imports and exports.

2. **Import and Export Price Index-Numbers, 1901-1919-20.**—Owing to the change in the system of collecting the statistics of imports and exports in the Commonwealth, by which the figures are made up to the end of the financial year at 30th June instead of at 31st December, as heretofore, the index-numbers in the last line of the following table represent the import and export values for the twelve months ending 30th June, 1920. The index-number for import and export prices in the Commonwealth for 1919-20 was 2074, compared with 1760 for 1918-19. This shews an increase of 17.8 per cent., during the twelve months. The index-numbers for previous years for the various groups and for all groups together are shewn in the following table:—

**Commonwealth Import and Export Values. Index-Numbers for each Group, and all Groups combined, 1901 to 1919-20 (Base 1911 = 1000).**

| Particulars.           | I.<br>Metals<br>and<br>Coal. | II.<br>Textiles. | III.<br>Agricul-<br>tural<br>Produce. | IV.<br>Meat,<br>Dairy<br>Produce,<br>etc. | V.<br>Grocer-<br>ies, etc. | VI.<br>Miscel-<br>laneous. | All<br>Groups.* |
|------------------------|------------------------------|------------------|---------------------------------------|---|----------------------------|----------------------------|-----------------|
| No. of<br>Commodities. | 5                            | 4                | 7                                     | 7   | 7                          | 14                         | 44              |
| 1901 .. ..             | 1,046                        | 730              | 884                                   | 978                                       | 994                        | 979                        | 911             |
| 1902 .. ..             | 1,015                        | 828              | 1,011                                 | 1,010                                     | 969                        | 934                        | 959             |
| 1903 .. ..             | 931                          | 885              | 863                                   | 993                                       | 956                        | 842                        | 918             |
| 1904 .. ..             | 888                          | 935              | 707                                   | 915                                       | 908                        | 877                        | 870             |
| 1905 .. ..             | 867                          | 915              | 950                                   | 888                                       | 902                        | 899                        | 907             |
| 1906 .. ..             | 962                          | 947              | 951                                   | 888                                       | 889                        | 906                        | 921             |
| 1907 .. ..             | 1,017                        | 987              | 823                                   | 929                                       | 1,005                      | 937                        | 935             |
| 1908 .. ..             | 981                          | 882              | 1,148                                 | 1,004                                     | 1,002                      | 902                        | 993             |
| 1909 .. ..             | 958                          | 879              | 1,081                                 | 914                                       | 937                        | 970                        | 952             |
| 1910 .. ..             | 980                          | 1,013            | 1,033                                 | 940                                       | 970                        | 1,017                      | 989             |
| 1911 .. ..             | 1,000                        | 1,000            | 1,000                                 | 1,000                                     | 1,000                      | 1,000                      | 1,000           |
| 1912 .. ..             | 1,061                        | 980              | 1,238                                 | 1,038                                     | 1,030                      | 1,044                      | 1,067           |
| 1913 .. ..             | 1,086                        | 934              | 1,126                                 | 1,043                                     | 1,018                      | 1,110                      | 1,045           |
| 1914-15† ..            | 1,001                        | 966              | 1,239                                 | 1,253                                     | 1,154                      | 1,087                      | 1,141           |
| 1915-16† ..            | 1,138                        | 1,019            | 1,522                                 | 1,475                                     | 1,308                      | 1,072                      | 1,298           |
| 1916-17† ..            | 1,340                        | 1,537            | 1,066                                 | 1,562                                     | 1,494                      | 1,339                      | 1,443           |
| 1917-18† ..            | 1,777                        | 1,823            | 1,322                                 | 1,590                                     | 1,521                      | 1,574                      | 1,594           |
| 1918-19† ..            | 1,817                        | 1,973            | 1,499                                 | 1 683                                     | 1,714                      | 2 012                      | 1,760           |
| 1919-20† ..            | 1,998                        | 2,310            | 2,103                                 | 1,767                                     | 1,978                      | 2,507                      | 2,074           |

\* Weighted Average.

† The year ending 30th of June.

3. **Variations in Price Levels of Commodity Groups.**—Of the six groups into which the 44 commodities are classified, the index-numbers for all the groups were higher in 1919-20 than in the preceding year. The increases were:—Group I. (Metals and Coal), 10.0 per cent.; Group II. (Textiles), 17.1 per cent.; Group III. (Agricultural Produce), 40.3 per cent.; Group IV. (Meat, Dairy Produce, etc.), 5.0 per cent.; Group V. (Groceries), 15.4 per cent.; and Group VI. (Miscellaneous), 24.6 per cent.



**4. Comparisons between Purchasing-Power of Money, Wholesale and Import and Export Index-Numbers.**—In the following table particulars are given of the purchasing-power of money (retail prices and house rent), wholesale and import and export index-numbers from 1901 to 1919-20, inclusive :—

**Food, Groceries, and House Rent, Wholesale Price and Import and Export Price Index-Numbers, 1901 to 1919-20.**

| YEAR.          | INDEX-NUMBERS.   |                                    |   |
|----------------|--|------------------------------------|---|
|                | Food, Groceries,<br>and House Rent<br>(Weighted Average for 6 Capital<br>Towns). | Wholesale<br>Price<br>(Melbourne). | Import and<br>Export Price<br>(Commonwealth). |
| 1901 .. .. .   | 880  | 974                                | 911   |
| 1902 .. .. .   | 929  | 1,051                              | 959   |
| 1903 .. .. .   | 910  | 1,049                              | 918   |
| 1904 .. .. .   | 858  | 890                                | 870   |
| 1905 .. .. .   | 901  | 910                                | 907   |
| 1906 .. .. .   | 902  | 948                                | 921   |
| 1907 .. .. .   | 897  | 1,021                              | 935   |
| 1908 .. .. .   | 951  | 1,115                              | 993   |
| 1909 .. .. .   | 948  | 993                                | 952   |
| 1910 .. .. .   | 970  | 1,000                              | 989   |
| 1911 .. .. .   | 1,000  | 1,000                              | 1,000   |
| 1912 .. .. .   | 1,101  | 1,170                              | 1,067   |
| 1913 .. .. .   | 1,104  | 1,088                              | 1,045   |
| 1914-15* .. .. | 1,164  | 1,273                              | 1,141   |
| 1915-16* .. .. | 1,344  | 1,590                              | 1,298   |
| 1916-17* .. .. | 1,307  | 1,533                              | 1,443   |
| 1917-18* .. .. | 1,343  | 1,834                              | 1,594   |
| 1918-19* .. .. | 1,420  | 1,952                              | 1,760   |
| 1919-20* .. .. | 1,624  | 2,312                              | 2,074   |

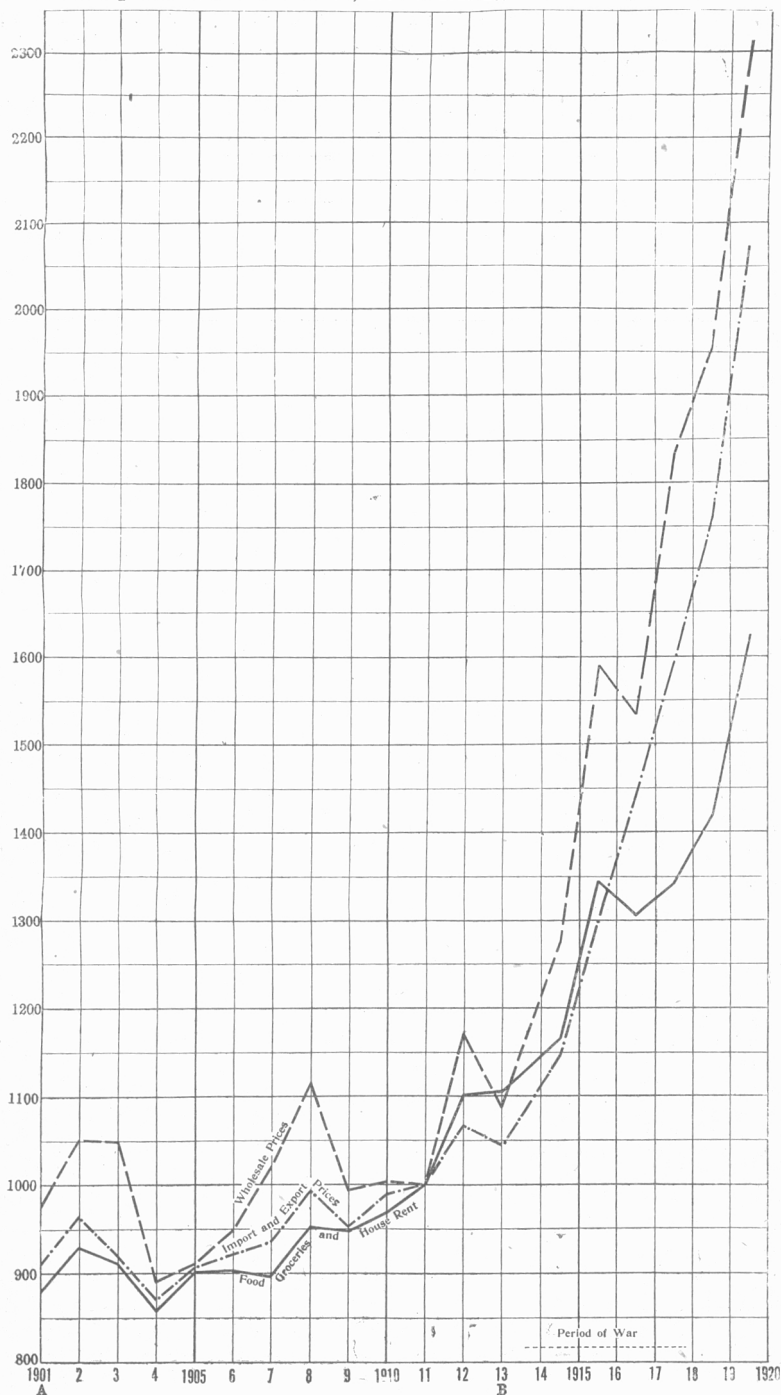
\* The year ending 30th of June.

The index-number for import and export prices in the Commonwealth for 1919-20 was 2074, compared with 1760 for 1918-19, an increase of 17.8 per cent. The purchasing-power-of-money (food, groceries and rent) index-number for the twelve months ending June, 1920, was 1624 as compared with 1420 for 1918-19, the percentage increase being 14.4, while the wholesale price index-number increased from 1952 to 2312, an increase of 18.4 per cent.

The above index-numbers are shewn in the graph on page 74. In making comparisons between these three sets of index-numbers, it is to be borne in mind that the figures do not, of course, indicate the relation between the different prices themselves, that is, between retail and wholesale prices, etc., for the reason that the weighted average prices are in each case made equal to 1000 for the year 1911. The figures shew the relative increase or decrease in each set of price-indices.

It may be seen that for the years 1901 to 1913 (from A to B on the graph), the index-numbers, which represent averages for the years specified, have been plotted on the vertical line of the years to which they refer, from B onwards the index-numbers are plotted midway between the two years. It should be observed that the index-number for the period 1914-15 includes the whole of 1914 and the first half of 1915, but that subsequent index-numbers refer to the latter half of one year and the first half of the following year, i.e., from 1st July to 30th June.

PRICE INDEX-NUMBERS, GRAPH SHEWING RELATION BETWEEN COST OF FOOD, GROCERIES, AND HOUSE RENT, WHOLESALE PRICES, AND IMPORT AND EXPORT PRICES IN AUSTRALIA, 1901 to 1919-20.



## SECTION VIII.—CURRENT RATES OF WAGE AND HOURS OF LABOUR.

1. **General.**—The collection of material respecting the current rate of wage payable in different callings and in occupations in various industries carried on in each State of the Commonwealth was first undertaken by this Bureau in the early part of the year 1913. The inquiry, which was confined to the rate of wage payable to adult workers only,\* was further limited in a degree to those industries in operation within the metropolitan area of the capital town in each State.† The particulars acquired were obtained primarily from awards, determinations, and industrial agreements under Commonwealth and State Acts, and related to the minimum wage prescribed. In cases where no award, determination or agreement was in force, the ruling union or predominant rate of wage being paid was ascertained from employers and secretaries of trade unions. For convenience of comparison, weekly rates of wage were adopted, though in many instances they were actually based on daily or hourly rates, as specified in awards, determinations, or agreements.‡

The information thus obtained referred to the weekly rate of wage in upwards of 400 industries, and related to 1569 male occupations or callings. These particulars furnished the necessary data for the computation of average rates of wage in various industrial groups,§ and in each State and all States. The average rate of wage thus computed represented the arithmetic average || of the rate of wage payable in all classified occupations. It was not claimed that results obtained by this method are precisely correct, but owing to the difficulty in obtaining any satisfactory data as to the number of persons engaged in each of the occupations for which rates of wage had been obtained, no *detailed* system of weights could be applied.¶ For final results for each State and for each industrial group throughout the States, however, a careful system of weighting was adopted. For example, in computing the

\* This limitation was necessary owing to the difficulty of ascertaining reliable particulars of the numbers of apprentices, improvers and other juvenile workers, to whom progressive rates of wage, fixed or otherwise, according to increasing age or experience, are payable from year to year.

† In order to make the inquiry a comprehensive one, it was necessary to include certain industries which obviously are not carried on in the capital towns, *e.g.*, Mining, Shipping, Agricultural, and Pastoral.

‡ This precaution was necessary, in view of the fact that it is often in those industries and occupations in which employment is of an exceptionally casual or intermittent nature that wages are fixed and paid at a daily or hourly rate. Hence the average weekly earnings in such occupations will probably fall considerably short of the computed weekly rates.

§ The following industrial classification of industries was adopted:—

### Classification of Industries and Occupations.

|      |  |       |   |
|------|--|-------|---|
| I.   | Wood, Furniture, Sawmill, Timber-works, &c.                  | VIII. | Mining, &c.                                       |
| II.  | Engineering, Metal Works, &c.                                | IX.   | Railway and Tramway Services.                     |
| III. | Food, Drink, and Tobacco, &c., Manufacture and Distribution. | X.    | Other Land Transport.                             |
| IV.  | Clothing, Hats, Boots, Textiles, &c.                         | XI.   | Shipping, Wharf Labour, &c.                       |
| V.   | Books, Printing, Bookbinding, &c.                            | XII.  | Pastoral, Agricultural, Rural, Horticultural, &c. |
| VI.  | Other Manufacturing.   | XIII. | Domestic, Hotels, etc.                            |
| VII. | Building.  | XIV.  | Miscellaneous.                                    |

|| The summation of the weekly rate of wage divided by the number of occupations included.

¶ Though a great deal of information as to the number of persons engaged in different industries and occupations was available from the Census (1911) results, it was found impracticable to bring the classification of these results into line with the detailed classification of occupations in the various industries, as set out in the awards, determinations, etc.

result for any State in any year, the computed average wage in each industrial group was multiplied by a number (weight) representing the relative number of all male workers engaged in that group of industries in the particular State. The sum of the products thus obtained, divided by the sum of the weights, represents the relative aggregate average wage for that State for the particular year.\*

The whole question of weighting was referred to in some detail in Report No. 1 (*Prices, Price Indexes and Cost of Living*) of the Labour and Industrial Branch of this Bureau. With the necessary verbal modifications, many of the statements there made and the problems there considered in regard to the subject of prices, etc., refer equally to the question of weighting in other investigations, such as the present. Any inquirer wishing to thoroughly understand the subject may refer to that Report.

The results thus ascertained for the year 1913 were published in Labour Report No. 2, pp. 28-43. In the early part of the year 1914 the scope of the inquiry was considerably extended, and particulars of the weekly rates of wage in 930 specified industries and 4256 adult occupations (3948 male, and 308 female)† were included, and results obtained thereby to the 30th April, 1914, were published in Labour Report No. 5, pp. 44-50. These results were further analysed, and the number of working hours which constituted a full week's work in each occupation was averaged and weighted in a similar manner to the rates of wage. This course was adopted in order to overcome the difficulty of making comparisons of the rates of wage in any specified occupation, owing, in many instances, to a different number of working hours constituting a full week's work in separate States. By dividing the weighted average number of working hours into the weighted average weekly rate of wage, what for some purposes may be considered a more adequate

\* The weights used in the computation of the average wage in male occupations were as follow :—

**Current Rates of Wage for Adult Male Occupations. Weights used for each Industrial Group.**

| Particulars.    | I.  | II. | III. | IV. | V.  | VI. | VII. | VIII. | IX. | X.  | XI. | XII.  | XIII. | XIV.  |
|-----------------|-----|-----|------|-----|-----|-----|------|-------|-----|-----|-----|-------|-------|-------|
| N.S.W. ..       | 136 | 228 | 199  | 84  | 65  | 162 | 252  | 343   | 187 | 74  | 137 | 704   | 134   | 902   |
| Victoria ..     | 118 | 195 | 160  | 95  | 58  | 141 | 190  | 157   | 136 | 54  | 65  | 455   | 95    | 734   |
| Queensland ..   | 67  | 62  | 108  | 23  | 20  | 34  | 70   | 133   | 73  | 22  | 45  | 352   | 45    | 302   |
| S. Australia .. | 24  | 71  | 45   | 16  | 13  | 40  | 68   | 29    | 48  | 17  | 44  | 182   | 24    | 223   |
| W. Australia .. | 65  | 36  | 32   | 7   | 8   | 16  | 32   | 142   | 40  | 9   | 32  | 118   | 31    | 158   |
| Tasmania ..     | 25  | 14  | 17   | 6   | 5   | 7   | 20   | 49    | 10  | 6   | 12  | 104   | 10    | 80    |
| C'wealth ..     | 435 | 606 | 561  | 231 | 169 | 400 | 632  | 853   | 494 | 182 | 335 | 1,915 | 339   | 2,399 |

† The weights used in the computation of the average wage in female occupations were as follow :—

**Current Rates of Wage for Adult Female Occupations. Weights used for each Industrial Group.**

| Particulars.         | III.<br>Food,<br>Drink, etc. | IV.<br>Clothing,<br>Boots, etc. | I. II. V. VI.<br>Other<br>Manufactures<br>Combined. | XIII.<br>Domestic,<br>Hotels,<br>etc. | XIV.<br>Miscellaneous<br>Shop Assistants,<br>Clerks, etc. |
|----------------------|------------------------------|---------------------------------|---|---------------------------------------|---|
| New South Wales ..   | 23                           | 228                             | 44  | 104                                   | 124   |
| Victoria ..          | 28                           | 320                             | 57  | 80                                    | 111   |
| Queensland ..        | 5                            | 80                              | 8   | 47                                    | 40  |
| South Australia ..   | 3                            | 56                              | 7   | 22                                    | 32  |
| Western Australia .. | 1                            | 29                              | ..  | 29                                    | ..  |
| Tasmania ..          | 1                            | 18                              | 2   | 8                                     | ..  |
| Commonwealth ..      | 61                           | 731                             | 118   | 290                                   | 307   |

standard of comparison was ascertained. Results obtained from these computations were given for each industrial group for each State.

Since the 30th April, 1914, the number of occupations included in comparative computations has been kept constant, but the particulars of wages contained in Appendixes IV. and V. to this Report include those for many additional occupations. In most instances these have been taken from awards or determinations made subsequent to that date by industrial tribunals or from agreements registered under Commonwealth or State Acts, or as a result of direct inquiry.

**2. Weekly Rates of Wage and Wage Index-Numbers in States and in Classified Industries, 31st December, 1920.**—The particulars given in the Appendixes, referred to above, furnish the necessary data for the computation of relative rates of wage in the different States and classified industrial groups at the 31st December, 1920.

(i.) *Weighted Average Nominal Weekly Rate of Wage Payable to Adult Male Workers in each State, 31st December, 1920.*—The following table shows the weighted average nominal weekly rate of wage payable at the 31st December, 1920, to adult male workers for a full week's work in each State and the Commonwealth. These results are based on the rates of wage in a large number of important industries, and serve to indicate with a considerable degree of precision the relative conditions in the several States. For the purposes of comparison as between States it should, however, be observed that the lists of occupations to which the rates of wage refer are not by any means uniform, neither do they necessarily include all industries carried on in each State. An examination of the Appendixes, however, will shew that the rates of wage for all occupations and callings which are common to all States are included. Any conclusions drawn from the tables must be subject to these qualifications. Taking the weighted average rate of wage for the six States as base (= 1000), index-numbers for each State are also shewn.

**Weighted Average Nominal Weekly Rate of Wage payable to Adult Male Workers for a Full Week's Work, and Wage Index-Numbers in each State and Commonwealth, 31st December, 1920.**

| Particulars.                         | N.S.W.        | Vic.          | Q'land.       | S.A.          | W.A.          | Tas.          | C'wth.          |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| Number of Occupations included . .   | 874           | 909           | 627           | 567           | 489           | 482           | 3,948           |
| Weighted Average Weekly Rate of Wage | s. d.<br>94 0 | s. d.<br>86 1 | s. d.<br>91 6 | s. d.<br>82 8 | s. d.<br>89 9 | s. d.<br>85 9 | s. d.<br>89 10* |
| Index-Numbers                        | 1,047         | 958           | 1,018         | 920           | 999           | 955           | 1,000*          |

\* Weighted average.

The results shew that the weighted average nominal weekly rate of wage was highest in New South Wales, followed in the order named by Queensland, Western Australia, Victoria, Tasmania, and South Australia.

(ii.) The following table gives particulars in regard to the weighted average nominal weekly rate of wage at the 31st December, 1920, for adult male workers in each of the several industrial groups and to the weighted average for all groups combined. In computing the index-number for each industrial group, the weighted average rate of wage for all groups is taken as base (= 1000).

**Weighted Average Nominal Weekly Rate of Wage payable to Adult Male Workers for a full Week's Work, and Wage Index-Numbers in each Industrial Group, 31st December, 1920.**

| Industrial Groups.                         | No. of Rates Included. | Weighted Aver. Weekly Rate of Wage (for Full Week's Work). |    | Index-Numbers |
|--|------------------------|--|----|---------------|
|  |                        | s.   | d. |               |
| I. Wood, Furniture, etc. . .               | 270                    | 95   | 1  | 1,058         |
| II. Engineering, Metal Works, etc. . . . . | 636                    | 92   | 5  | 1,029         |
| III. Food, Drink, etc. . .                 | 576                    | 89   | 3  | 994           |
| IV. Clothing, Boots, etc. . .              | 124                    | 86   | 5  | 963           |
| V. Books, Printing, etc. . .               | 205                    | 99   | 6  | 1,108         |
| VI. Other Manufacturing . .                | 875                    | 88   | 11 | 990           |
| VII. Building . . . . .                    | 190                    | 95   | 7  | 1,064         |
| VIII. Mining . . . . .                     | 161                    | 103  | 10 | 1,156         |
| IX. Rail & Tram Services . .               | 224                    | 93   | 1  | 1,037         |
| X. Other Land Transport . .                | 70                     | 87   | 3  | 971           |
| XI. Shipping, etc. . . . .                 | 198                    | 88   | 0* | 980           |
| XII. Pastoral, Agricultural, etc.          | 72                     | 87   | 1† | 969           |
| XIII. Domestic, Hotels, etc.               | 114                    | 80   | 6‡ | 896           |
| XIV. Miscellaneous . . . .                 | 233                    | 84   | 11 | 945           |
| All Groups . . . . .                       | 3,948                  | 89   | 10 | 1,000§        |

\* Including the value of victualling and accommodation where supplied. † Including the value of Board and Lodging where supplied. ‡ Including the value of Board and Lodging where supplied as follows:—In Sydney, 11s. to 23s. (according to class of establishment); in Melbourne, 20s.; in Brisbane, 17s.; in Adelaide, 16s. (Restaurants), and 15s. (Hotels and Clubs); in Perth, 22s.; and in Hobart, 15s. per week. § Weighted average.

It may be seen from the above table that the highest weighted average nominal weekly wage at the end of the year 1920 was paid to employees in the Mining industry (Group VIII.), 103s. 10d. per week, followed by Group V. (Books, Printing, etc.), 99s. 6d., and Group VII. (Building), 95s. 7d. The lowest weighted average nominal weekly wage was that paid to persons engaged in Hotels, Restaurants, etc. (Group XIII.), 80s. 6d. The average wage paid in the Mining industry (Group VIII.) was 16 per cent. higher, while the average in Group XIII. (Domestic, Hotels, etc.) was 10 per cent. lower than the average wage for all groups.

(iii.) The following table shews the weighted average nominal weekly rate of wage payable at 31st December, 1920, to adult female workers for a full week's work in each State and the Commonwealth. Taking the weighted average rate of wage for the whole Commonwealth as base (= 1000), index-numbers for each State are given:—

**Weighted Average Nominal Weekly Rate of Wage payable to Adult Female Workers for a Full Week's Work, and Wage Index-Numbers in each State and Commonwealth, 31st December, 1920.**

| Particulars.                         | N.S.W. |    | Vic. |    | Q'land. |    | S.A. |    | W.A.  |    | Tas. |    | C'with. |    |
|--------------------------------------|--------|----|------|----|---------|----|------|----|-------|----|------|----|---------|----|
| Number of Occupations included       | 85     |    | 87   |    | 37      |    | 47   |    | 24    |    | 28   |    | 308     |    |
| Weighted Average Weekly Rate of Wage | s.     | d. | s.   | d. | s.      | d. | s.   | d. | s.    | d. | s.   | d. | s.      | d. |
|                                      | 46     | 0  | 43   | 1  | 44      | 11 | 40   | 7  | 52    | 11 | 41   | 10 | 44      | 6* |
| Index-Numbers                        | 1,035  |    | 969  |    | 1,009   |    | 913  |    | 1,189 |    | 940  |    | 1,000*  |    |

\* Weighted average.

The highest weighted average nominal weekly rate of wage for female workers was paid in Western Australia, followed in the order named by New South Wales, Queensland, Victoria, Tasmania, and South Australia.

(iv.) The following table gives particulars regarding the weighted average nominal weekly rate of wage of adult females in those industrial groups in which they are mainly employed, and the weighted average for all groups combined. Index-numbers based on the weighted average for all groups (= 1000) are also given :—

**Weighted Average Nominal Weekly Rate of Wage payable to Adult Female Workers for a Full Week's Work, and Wage Index-Numbers in Industrial Groups, 31st December, 1920.**

| Industrial Groups.                                | No. of Rates Included. | Weighted Aver. Weekly Rate of Wage (for Full Week's Work). |    | Index-Numbers. |
|---|------------------------|--|----|----------------|
|   |                        | s.   | d. |                |
| III. Food, Drink, etc. . . . .                    | 35                     | 41   | 10 | 940            |
| IV. Clothing, Boots, etc. . . .                   | 114                    | 43   | 5  | 976            |
| I., II., V., VI. All Other Manufacturing Combined | 84                     | 44   | 0  | 989            |
| XIII. Domestic, Hotels, etc.                      | 57                     | 46   | 3* | 1,039          |
| XIV. Shop Assistants, Clerks, etc.                | 18                     | 46   | 2  | 1,038          |
| All Groups . . . . .                              | 308                    | 44   | 6  | 1,000†         |

\* See footnote ‡ to table on preceding page.

† Weighted average.

The results set out in the above table shew that the highest weighted average wage was paid in Group XIII. (Domestic, Hotels, etc.), 46s. 3d., followed in order by Group XIV. (Shop Assistants, Clerks, etc.), 46s. 2d., and the combined Manufacturing group, 44s. The average wage paid to employees in Group III. (Food, Drink, etc.), 41s. 10d., is 6 per cent. lower, while that paid in Group XIII. (Domestic, Hotels, etc.) is 4 per cent. higher than the average rate of wage for all groups.

**3. Relative Weekly Wages and Wage Index-Numbers in each State and for all States, 1914-20.**—The arithmetic average of the rates of wage given in the appendixes referred to furnishes the basis for the computation of relative weighted wages in different industrial groups and States. In the following tables particulars are given of the results thus obtained of the weighted average nominal weekly rates of wage payable to adult workers, male and female, separately, at the 30th April, 1914, and at the end of the periods specified to the 31st December, 1920, for a full week's work, in each State and for all States.

(i) *Weighted Average Nominal Weekly Rate of Wage Payable to Adult Male Workers in each State, 1914-20.*—The following table shews the weighted average nominal weekly rate of wage payable to adult male workers for a full week's work, together with index-numbers for each State at each specified interval with the average for all States at the 30th April, 1914, as base (=1000):—



**Weighted Average Nominal Weekly Rate of Wage payable to Adult Male Workers  
for a Full Week's Work, and Wage Index-numbers in each State and Common-  
wealth, 30th April, 1914, to 31st December, 1920.\***

NOTE.—Index-number based on the average wage for the Commonwealth at the 30th April, 1914 (55s.1d.) as base (= 1000). The index-numbers in this table are comparable throughout.

| Particulars.                 | N.S.W.   | Vic.                        | Q'land.                     | S.A.                        | W.A.                        | Tas.                        | C'wealth.                   |
|------------------------------|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| No. of Occupations Included. | 874  | 909                         | 627                         | 567                         | 489                         | 482                         | 3,948                       |
| 30th April, 1914.            | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,011 | <i>s. d.</i><br>54 3 984    | <i>s. d.</i><br>52 8 955    | <i>s. d.</i><br>54 4 986    | <i>s. d.</i><br>62 2 1,128  | <i>s. d.</i><br>52 6 952    | <i>s. d.</i><br>55 1 1,000  |
| 30th June, 1914.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,014 | <i>s. d.</i><br>54 4 985    | <i>s. d.</i><br>52 10 958   | <i>s. d.</i><br>54 4 986    | <i>s. d.</i><br>62 9 1,139  | <i>s. d.</i><br>52 7 954    | <i>s. d.</i><br>55 3 1,003  |
| 30th Sept., 1914.            | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,019 | <i>s. d.</i><br>56 2 990    | <i>s. d.</i><br>53 4 967    | <i>s. d.</i><br>54 5 988    | <i>s. d.</i><br>62 10 1,140 | <i>s. d.</i><br>52 8 956    | <i>s. d.</i><br>55 6 1,008  |
| 31st Dec., 1914.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,019 | <i>s. d.</i><br>56 2 990    | <i>s. d.</i><br>53 5 969    | <i>s. d.</i><br>54 5 988    | <i>s. d.</i><br>62 10 1,140 | <i>s. d.</i><br>52 8 956    | <i>s. d.</i><br>55 7 1,008  |
| 30th June, 1915.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,028 | <i>s. d.</i><br>56 8 992    | <i>s. d.</i><br>53 4 967    | <i>s. d.</i><br>54 3 984    | <i>s. d.</i><br>63 1 1,145  | <i>s. d.</i><br>52 9 957    | <i>s. d.</i><br>55 7 1,012  |
| 30th Sept., 1915.            | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,031 | <i>s. d.</i><br>56 10 996   | <i>s. d.</i><br>53 8 974    | <i>s. d.</i><br>54 3 985    | <i>s. d.</i><br>63 1 1,145  | <i>s. d.</i><br>52 9 958    | <i>s. d.</i><br>56 0 1,015  |
| 31st Dec., 1915.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,044 | <i>s. d.</i><br>57 7 1,002  | <i>s. d.</i><br>55 3 986    | <i>s. d.</i><br>54 8 992    | <i>s. d.</i><br>63 4 1,149  | <i>s. d.</i><br>53 3 965    | <i>s. d.</i><br>56 6 1,023  |
| 30th June, 1916.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,069 | <i>s. d.</i><br>58 11 1,035 | <i>s. d.</i><br>57 0 1,035  | <i>s. d.</i><br>56 1 1,018  | <i>s. d.</i><br>63 4 1,149  | <i>s. d.</i><br>54 4 986    | <i>s. d.</i><br>57 11 1,051 |
| 30th Sept., 1916.            | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,079 | <i>s. d.</i><br>59 6 1,047  | <i>s. d.</i><br>57 9 1,051  | <i>s. d.</i><br>56 6 1,025  | <i>s. d.</i><br>63 8 1,155  | <i>s. d.</i><br>54 9 993    | <i>s. d.</i><br>58 8 1,064  |
| 31st Dec., 1916.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,123 | <i>s. d.</i><br>61 11 1,067 | <i>s. d.</i><br>60 4 1,095  | <i>s. d.</i><br>59 0 1,071  | <i>s. d.</i><br>65 2 1,182  | <i>s. d.</i><br>57 0 1,034  | <i>s. d.</i><br>60 8 1,100  |
| 30th June, 1917.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,151 | <i>s. d.</i><br>63 5 1,109  | <i>s. d.</i><br>61 2 1,131  | <i>s. d.</i><br>61 0 1,107  | <i>s. d.</i><br>66 4 1,203  | <i>s. d.</i><br>57 7 1,044  | <i>s. d.</i><br>62 5 1,132  |
| 30th Sept., 1917.            | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,157 | <i>s. d.</i><br>63 9 1,130  | <i>s. d.</i><br>62 3 1,151  | <i>s. d.</i><br>61 6 1,116  | <i>s. d.</i><br>67 10 1,231 | <i>s. d.</i><br>58 6 1,061  | <i>s. d.</i><br>63 3 1,147  |
| 31st Dec., 1917.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,168 | <i>s. d.</i><br>64 5 1,143  | <i>s. d.</i><br>63 0 1,183  | <i>s. d.</i><br>63 1 1,144  | <i>s. d.</i><br>68 11 1,250 | <i>s. d.</i><br>59 7 1,081  | <i>s. d.</i><br>64 2 1,164  |
| 30th June, 1918.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,175 | <i>s. d.</i><br>64 9 1,149  | <i>s. d.</i><br>65 7 1,190  | <i>s. d.</i><br>63 3 1,147  | <i>s. d.</i><br>69 5 1,259  | <i>s. d.</i><br>60 2 1,092  | <i>s. d.</i><br>64 6 1,171  |
| 30th Sept., 1918.            | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,179 | <i>s. d.</i><br>65 0 1,156  | <i>s. d.</i><br>67 0 1,216  | <i>s. d.</i><br>63 7 1,154  | <i>s. d.</i><br>69 6 1,261  | <i>s. d.</i><br>60 4 1,094  | <i>s. d.</i><br>65 0 1,179  |
| 31st Dec., 1918.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,196 | <i>s. d.</i><br>65 11 1,189 | <i>s. d.</i><br>69 6 1,261  | <i>s. d.</i><br>65 6 1,188  | <i>s. d.</i><br>70 4 1,276  | <i>s. d.</i><br>61 2 1,110  | <i>s. d.</i><br>66 5 1,205  |
| 31st Mar., 1919.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,234 | <i>s. d.</i><br>68 0 1,209  | <i>s. d.</i><br>70 0 1,270  | <i>s. d.</i><br>65 10 1,194 | <i>s. d.</i><br>70 7 1,281  | <i>s. d.</i><br>61 10 1,122 | <i>s. d.</i><br>67 8 1,228  |
| 30th June, 1919.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,248 | <i>s. d.</i><br>68 9 1,224  | <i>s. d.</i><br>71 6 1,298  | <i>s. d.</i><br>66 9 1,211  | <i>s. d.</i><br>71 2 1,291  | <i>s. d.</i><br>62 9 1,139  | <i>s. d.</i><br>68 7 1,244  |
| 30th Sept., 1919.            | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,266 | <i>s. d.</i><br>69 9 1,241  | <i>s. d.</i><br>72 6 1,315  | <i>s. d.</i><br>68 3 1,237  | <i>s. d.</i><br>73 11 1,341 | <i>s. d.</i><br>63 11 1,160 | <i>s. d.</i><br>69 9 1,285  |
| 31st Dec., 1919.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,393 | <i>s. d.</i><br>76 9 1,306  | <i>s. d.</i><br>78 7 1,426  | <i>s. d.</i><br>70 5 1,277  | <i>s. d.</i><br>77 8 1,409  | <i>s. d.</i><br>69 0 1,251  | <i>s. d.</i><br>74 11 1,359 |
| 31st Mar., 1920.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,472 | <i>s. d.</i><br>81 2 1,348  | <i>s. d.</i><br>81 6 1,479  | <i>s. d.</i><br>72 0 1,306  | <i>s. d.</i><br>78 10 1,431 | <i>s. d.</i><br>74 4 1,331  | <i>s. d.</i><br>78 0 1,415  |
| 30th June, 1920.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,502 | <i>s. d.</i><br>82 9 1,404  | <i>s. d.</i><br>86 10 1,575 | <i>s. d.</i><br>73 4 1,331  | <i>s. d.</i><br>81 0 1,470  | <i>s. d.</i><br>74 2 1,345  | <i>s. d.</i><br>80 7 1,462  |
| 30th Sept., 1920.            | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,578 | <i>s. d.</i><br>87 0 1,507  | <i>s. d.</i><br>89 5 1,622  | <i>s. d.</i><br>78 9 1,429  | <i>s. d.</i><br>85 9 1,556  | <i>s. d.</i><br>79 3 1,438  | <i>s. d.</i><br>85 1 1,544  |
| 31st Dec., 1920.             | Weighted average weekly rate of wage .. <i>s. d.</i><br>Index-numbers .. 1,706 | <i>s. d.</i><br>94 0 1,561  | <i>s. d.</i><br>91 6 1,659  | <i>s. d.</i><br>82 8 1,500  | <i>s. d.</i><br>89 9 1,628  | <i>s. d.</i><br>85 9 1,556  | <i>s. d.</i><br>89 10 1,629 |

\* Particulars for the quarters omitted from this table will be found in Labour Report No. 10, p. 79.



In the preceding table it will be seen that the average weekly wage for adult male workers, as indicated by index-numbers at the 30th April, 1914, in two States, viz., New South Wales and Western Australia, exceeded the weighted average wage for the Commonwealth. This feature remained constant in varying degrees of excess throughout the period under review until the end of September, 1917, when the index-number representing the average wage for Queensland was also higher than the weighted average wage index-number for the Commonwealth.

At the end of the year 1918, the index-number for New South Wales was lower than that for the Commonwealth, while those for Queensland and Western Australia were higher. During 1919, the average rates of wage in New South Wales and Queensland increased more rapidly than in the other States, and at the end of the year the index-numbers for these States and also for Western Australia were higher than the Commonwealth figure. The average rate of wage increased considerably in all States during the year 1920. The weighted average rate for the Commonwealth at the end of 1920 was 89s. 10d., as compared with 74s. 11d. at the end of 1919. The States in which the greatest increases occurred were New South Wales, Tasmania, Victoria and Queensland.

The rates for New South Wales and Queensland were higher at the end of 1920 than the average weekly rate for the Commonwealth, while those for Victoria, South Australia, Western Australia and Tasmania were lower.

(ii.) *Weighted Average Weekly Rate of Wage payable to Adult Female Workers in each State, 1914-20.*—The following table shews the weighted average weekly rate of wage payable to adult female workers for a full week's work in each State and the Commonwealth at the 30th April, 1914, and at the intervals specified to the 31st December, 1920. The table shews also index-numbers for each State based on the average weekly wage at the end of each of the periods indicated, computed with the weighted average wage for all States at the 30th April, 1914, as base (= 1000).

From the following table it will be seen that the general upward movement in the average weekly wage for adult female workers, as indicated for the whole Commonwealth, was comparatively small during 1914 and 1915. From the beginning of the year 1916, the average wage has increased rapidly, the increase during the year 1920 being the largest which has been recorded. The advance during the whole period under review has been 63.7 per cent.; this increase has practically taken place since the beginning of 1916.

**Weighted Average Nominal Weekly Rate of Wage payable to Adult Female Workers for a Full Week's Work, and Wage Index-numbers in each State and Commonwealth, 30th April, 1914, to 31st December, 1920.\***

NOTE.—Index-number based on the average wage for the Commonwealth at the 30th April, 1914 (27s. 2d.) as base (= 1000). The index-numbers in this table are comparable throughout.

| Particulars.                 |                                      | N.S.W.      | Vic.        | Q'land.     | S.A.        | W.A.        | Tas.        | C'with.     |
|------------------------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| No. of Occupations Included. |                                      | 85          | 87          | 37          | 47          | 24          | 28          | 308         |
| 30th April, 1914.            | Weighted average weekly rate of wage | s. d. 26 9  | s. d. 27 4  | s. d. 26 11 | s. d. 24 1  | s. d. 37 4  | s. d. 25 10 | s. d. 27 2  |
|                              | Index-numbers ..                     | 984         | 1,006       | 989         | 885         | 1,373       | 950         | 1,000       |
| 30th June, 1914.             | Weighted average weekly rate of wage | s. d. 26 9  | s. d. 27 4  | s. d. 27 0  | s. d. 24 1  | s. d. 37 4  | s. d. 25 10 | s. d. 27 2  |
|                              | Index-numbers ..                     | 984         | 1,006       | 993         | 885         | 1,373       | 950         | 1,000       |
| 30th Sept., 1914.            | Weighted average weekly rate of wage | s. d. 26 10 | s. d. 27 9  | s. d. 26 11 | s. d. 24 1  | s. d. 37 4  | s. d. 25 10 | s. d. 27 4  |
|                              | Index-numbers ..                     | 987         | 1,022       | 990         | 885         | 1,373       | 950         | 1,006       |
| 31st Dec., 1914.             | Weighted average weekly rate of wage | s. d. 26 10 | s. d. 27 9  | s. d. 27 1  | s. d. 24 1  | s. d. 37 4  | s. d. 25 10 | s. d. 27 5  |
|                              | Index-numbers ..                     | 987         | 1,022       | 996         | 885         | 1,373       | 950         | 1,008       |
| 30th June, 1915.             | Weighted average weekly rate of wage | s. d. 27 2  | s. d. 26 11 | s. d. 27 2  | s. d. 24 0  | s. d. 37 5  | s. d. 26 3  | s. d. 27 2  |
|                              | Index-numbers ..                     | 998         | 989         | 999         | 883         | 1,376       | 964         | 1,000       |
| 30th Sept., 1915.            | Weighted average weekly rate of wage | s. d. 27 3  | s. d. 26 11 | s. d. 26 11 | s. d. 24 0  | s. d. 37 5  | s. d. 28 0  | s. d. 27 3  |
|                              | Index-numbers ..                     | 1,003       | 990         | 990         | 883         | 1,376       | 1,031       | 1,002       |
| 31st Dec., 1915.             | Weighted average weekly rate of wage | s. d. 27 5  | s. d. 26 11 | s. d. 26 11 | s. d. 24 6  | s. d. 37 5  | s. d. 28 0  | s. d. 27 4  |
|                              | Index-numbers ..                     | 1,007       | 990         | 990         | 901         | 1,376       | 1,031       | 1,005       |
| 30th June, 1916.             | Weighted average weekly rate of wage | s. d. 27 7  | s. d. 27 11 | s. d. 26 11 | s. d. 24 6  | s. d. 37 5  | s. d. 27 9  | s. d. 27 9  |
|                              | Index-numbers ..                     | 1,013       | 1,027       | 991         | 902         | 1,376       | 1,019       | 1,021       |
| 30th Sept., 1916.            | Weighted average weekly rate of wage | s. d. 27 11 | s. d. 28 2  | s. d. 27 2  | s. d. 24 10 | s. d. 37 5  | s. d. 27 9  | s. d. 28 1  |
|                              | Index-numbers ..                     | 1,027       | 1,037       | 998         | 913         | 1,376       | 1,019       | 1,032       |
| 31st Dec., 1916.             | Weighted average weekly rate of wage | s. d. 28 7  | s. d. 28 6  | s. d. 27 4  | s. d. 24 11 | s. d. 38 10 | s. d. 28 4  | s. d. 28 6  |
|                              | Index-numbers ..                     | 1,050       | 1,047       | 1,004       | 915         | 1,429       | 1,041       | 1,047       |
| 30th June, 1917.             | Weighted average weekly rate of wage | s. d. 29 3  | s. d. 28 10 | s. d. 27 9  | s. d. 27 3  | s. d. 38 10 | s. d. 28 4  | s. d. 29 1  |
|                              | Index-numbers ..                     | 1,078       | 1,061       | 1,021       | 1,004       | 1,430       | 1,042       | 1,071       |
| 30th Sept., 1917.            | Weighted average weekly rate of wage | s. d. 30 2  | s. d. 29 7  | s. d. 30 0  | s. d. 27 8  | s. d. 38 10 | s. d. 28 4  | s. d. 30 0  |
|                              | Index-numbers ..                     | 1,109       | 1,090       | 1,105       | 1,019       | 1,430       | 1,042       | 1,105       |
| 31st Dec., 1917.             | Weighted average weekly rate of wage | s. d. 30 5  | s. d. 30 4  | s. d. 30 5  | s. d. 27 9  | s. d. 38 10 | s. d. 28 5  | s. d. 30 5  |
|                              | Index-numbers ..                     | 1,119       | 1,116       | 1,120       | 1,020       | 1,430       | 1,045       | 1,121       |
| 30th June, 1918.             | Weighted average weekly rate of wage | s. d. 31 3  | s. d. 30 6  | s. d. 30 8  | s. d. 28 6  | s. d. 38 10 | s. d. 28 5  | s. d. 30 11 |
|                              | Index-numbers ..                     | 1,149       | 1,121       | 1,128       | 1,050       | 1,430       | 1,047       | 1,137       |
| 30th Sept., 1918.            | Weighted average weekly rate of wage | s. d. 31 5  | s. d. 30 9  | s. d. 32 3  | s. d. 28 8  | s. d. 38 10 | s. d. 28 5  | s. d. 31 3  |
|                              | Index-numbers ..                     | 1,156       | 1,131       | 1,186       | 1,054       | 1,430       | 1,047       | 1,149       |
| 31st Dec., 1918.             | Weighted average weekly rate of wage | s. d. 31 10 | s. d. 31 3  | s. d. 32 10 | s. d. 29 5  | s. d. 38 10 | s. d. 28 9  | s. d. 31 9  |
|                              | Index-numbers ..                     | 1,173       | 1,151       | 1,208       | 1,084       | 1,430       | 1,059       | 1,168       |
| 31st Mar., 1919.             | Weighted average weekly rate of wage | s. d. 33 6  | s. d. 32 2  | s. d. 33 0  | s. d. 29 5  | s. d. 38 10 | s. d. 28 9  | s. d. 32 8  |
|                              | Index-numbers ..                     | 1,234       | 1,183       | 1,215       | 1,084       | 1,430       | 1,059       | 1,204       |
| 30th June, 1919.             | Weighted average weekly rate of wage | s. d. 33 7  | s. d. 32 2  | s. d. 33 2  | s. d. 29 7  | s. d. 38 11 | s. d. 28 9  | s. d. 32 9  |
|                              | Index-numbers ..                     | 1,235       | 1,184       | 1,222       | 1,089       | 1,434       | 1,059       | 1,206       |
| 30th Sept., 1919.            | Weighted average weekly rate of wage | s. d. 34 0  | s. d. 32 3  | s. d. 33 10 | s. d. 29 7  | s. d. 38 11 | s. d. 28 9  | s. d. 33 0  |
|                              | Index-numbers ..                     | 1,251       | 1,186       | 1,247       | 1,089       | 1,434       | 1,059       | 1,216       |
| 31st Dec., 1919.             | Weighted average weekly rate of wage | s. d. 40 0  | s. d. 34 5  | s. d. 38 4  | s. d. 33 3  | s. d. 43 7  | s. d. 33 0  | s. d. 37 1  |
|                              | Index-numbers ..                     | 1,474       | 1,268       | 1,412       | 1,225       | 1,605       | 1,215       | 1,365       |
| 31st Mar., 1920.             | Weighted average weekly rate of wage | s. d. 41 8  | s. d. 35 11 | s. d. 41 3  | s. d. 35 9  | s. d. 47 6  | s. d. 33 5  | s. d. 39 0  |
|                              | Index-numbers ..                     | 1,533       | 1,323       | 1,519       | 1,317       | 1,749       | 1,231       | 1,434       |
| 30th June, 1920.             | Weighted average weekly rate of wage | s. d. 41 9  | s. d. 37 9  | s. d. 41 7  | s. d. 35 9  | s. d. 48 0  | s. d. 39 11 | s. d. 39 10 |
|                              | Index-numbers ..                     | 1,536       | 1,388       | 1,530       | 1,317       | 1,767       | 1,410       | 1,467       |
| 30th Sept., 1920.            | Weighted average weekly rate of wage | s. d. 43 8  | s. d. 40 9  | s. d. 44 1  | s. d. 40 1  | s. d. 48 0  | s. d. 41 4  | s. d. 42 5  |
|                              | Index-numbers ..                     | 1,607       | 1,500       | 1,622       | 1,476       | 1,767       | 1,520       | 1,561       |
| 31st Dec., 1920.             | Weighted average weekly rate of wage | s. d. 46 0  | s. d. 43 1  | s. d. 44 11 | s. d. 40 7  | s. d. 52 11 | s. d. 41 10 | s. d. 44 6  |
|                              | Index-numbers ..                     | 1,695       | 1,586       | 1,652       | 1,495       | 1,947       | 1,540       | 1,637       |

\* Particulars for the quarters omitted from this table will be found in Labour Report No. 10, p. 81.

(iii.) *Weighted Average Weekly Rate of Wage Payable to Adult Male Workers in each Industrial Group, 1914-1920.*—The following table gives particulars in regard to (a) the average weekly rate of wage in each of the industrial groups, and (b) the weighted average wage for all groups combined, as at 30th April, 1914, at 31st December, 1914 to 1918, and at 30th June and 31st December, 1919 and 1920. Index-numbers for each industrial group and all groups, based on the average wage for all groups at 30th April, 1914 (= 1000), are given :—

**Weighted Average Nominal Weekly Rate of Wage payable to Adult Male Workers for a Full Week's Work, and Wage Index-numbers in each Industrial Group, 30th April, 1914, to 31st December, 1920.\***

NOTE.—Index-numbers for each industrial group and all industrial groups, based on the average wage for all groups at 30th April, 1914 (55s. 1d.), as base (= 1000). The index-numbers in this table are comparable throughout.

| Industrial Group.             | Weighted Average Nominal Weekly Rate of Wage,<br>and Index-Number at— |                        |                        |                        |                        |                        |                        |                        |                        |                       |
|-------------------------------|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|
|                               | 30th<br>April,<br>1914.   | 31st<br>Dec.,<br>1914. | 31st<br>Dec.,<br>1915. | 31st<br>Dec.,<br>1916. | 31st,<br>Dec.<br>1917. | 31st<br>Dec.,<br>1918. | 30th<br>June,<br>1919. | 31st<br>Dec.,<br>1919. | 30th<br>June,<br>1920. | 31st<br>Dec.<br>1920. |
| I. Wood, Furni-<br>ture, etc. | Wage ..<br>Index-No.  | s. d.<br>1,062         | s. d.<br>1,080         | s. d.<br>1,092         | s. d.<br>1,159         | s. d.<br>1,198         | s. d.<br>1,251         | s. d.<br>1,267         | s. d.<br>1,375         | s. d.<br>1,499        |
| II. Engineering,<br>etc.      | Wage ..<br>Index-No.  | s. d.<br>1,035         | s. d.<br>1,048         | s. d.<br>1,092         | s. d.<br>1,127         | s. d.<br>1,180         | s. d.<br>1,245         | s. d.<br>1,284         | s. d.<br>1,405         | s. d.<br>1,516        |
| III. Food, Drink,<br>etc.     | Wage ..<br>Index-No.  | s. d.<br>999           | s. d.<br>1,011         | s. d.<br>1,048         | s. d.<br>1,111         | s. d.<br>1,154         | s. d.<br>1,198         | s. d.<br>1,219         | s. d.<br>1,369         | s. d.<br>1,501        |
| IV. Clothing,<br>Boots, etc.  | Wage ..<br>Index-No.  | s. d.<br>949           | s. d.<br>962           | s. d.<br>965           | s. d.<br>1,027         | s. d.<br>1,082         | s. d.<br>1,114         | s. d.<br>1,134         | s. d.<br>1,332         | s. d.<br>1,379        |
| V. Books, Print-<br>ing, etc. | Wage ..<br>Index-No.  | s. d.<br>1,150         | s. d.<br>1,159         | s. d.<br>1,171         | s. d.<br>1,236         | s. d.<br>1,280         | s. d.<br>1,344         | s. d.<br>1,378         | s. d.<br>1,466         | s. d.<br>1,676        |
| VI. Other Manu-<br>facturing  | Wage ..<br>Index-No.  | s. d.<br>1,000         | s. d.<br>1,017         | s. d.<br>1,047         | s. d.<br>1,120         | s. d.<br>1,159         | s. d.<br>1,199         | s. d.<br>1,233         | s. d.<br>1,367         | s. d.<br>1,489        |
| VII. Building                 | Wage ..<br>Index-No.  | s. d.<br>1,180         | s. d.<br>1,188         | s. d.<br>1,195         | s. d.<br>1,265         | s. d.<br>1,315         | s. d.<br>1,348         | s. d.<br>1,357         | s. d.<br>1,445         | s. d.<br>1,557        |
| VIII. Mining                  | Wage ..<br>Index-No.  | s. d.<br>1,182         | s. d.<br>1,183         | s. d.<br>1,209         | s. d.<br>1,321         | s. d.<br>1,422         | s. d.<br>1,424         | s. d.<br>1,527         | s. d.<br>1,603         | s. d.<br>1,629        |
| IX. Railways,<br>etc.         | Wage ..<br>Index-No.  | s. d.<br>1,083         | s. d.<br>1,083         | s. d.<br>1,104         | s. d.<br>1,150         | s. d.<br>1,197         | s. d.<br>1,251         | s. d.<br>1,260         | s. d.<br>1,425         | s. d.<br>1,528        |
| X. Other Land<br>Transport    | Wage ..<br>Index-No.  | s. d.<br>926           | s. d.<br>936           | s. d.<br>968           | s. d.<br>1,050         | s. d.<br>1,126         | s. d.<br>1,150         | s. d.<br>1,165         | s. d.<br>1,331         | s. d.<br>1,435        |
| XI. Shipping,<br>etc.†        | Wage ..<br>Index-No.  | s. d.<br>887           | s. d.<br>905           | s. d.<br>955           | s. d.<br>1,073         | s. d.<br>1,111         | s. d.<br>1,169         | s. d.<br>1,269         | s. d.<br>1,411         | s. d.<br>1,531        |
| XII. Agricultural,<br>etc.†   | Wage ..<br>Index-No.  | s. d.<br>897           | s. d.<br>897           | s. d.<br>902           | s. d.<br>999           | s. d.<br>1,109         | s. d.<br>1,145         | s. d.<br>1,194         | s. d.<br>1,274         | s. d.<br>1,364        |
| XIII. Domestic,<br>etc.†      | Wage ..<br>Index-No.  | s. d.<br>853           | s. d.<br>870           | s. d.<br>882           | s. d.<br>926           | s. d.<br>979           | s. d.<br>1,027         | s. d.<br>1,074         | s. d.<br>1,244         | s. d.<br>1,300        |
| XIV. Miscellaneous            | Wage ..<br>Index-No.  | s. d.<br>973           | s. d.<br>980           | s. d.<br>991           | s. d.<br>1,058         | s. d.<br>1,103         | s. d.<br>1,147         | s. d.<br>1,171         | s. d.<br>1,292         | s. d.<br>1,414        |
| All Industrial<br>Groups      | Wage ..<br>Index-No.  | s. d.<br>1,000         | s. d.<br>1,008         | s. d.<br>1,023         | s. d.<br>1,100         | s. d.<br>1,164         | s. d.<br>1,203         | s. d.<br>1,244         | s. d.<br>1,359         | s. d.<br>1,462        |

\* Particulars for the quarters omitted from this table will be found in Labour Reports Nos. 6 to 10.

† See footnotes to table on page 78.

The foregoing table shews that the rate of increase in the weighted average weekly wage in occupations and callings classified in the fourteen industrial groups during the period 30th April, 1914, to 31st December, 1920, was greatest in Group XI. (Shipping), 79.9 per cent., followed in the order named by Groups XII. (Agricultural, etc.), 76.0 per cent., and XIII. (Domestic, etc.), 71.2 per cent. In nine of the groups the increase was less, and in five groups more than the increase in the weighted average for all groups.

(iv.) *Weighted Average Weekly Rate of Wage Payable to Adult Female Workers in Industrial Groups, 1914-20.*—The following table gives particulars of the weighted average weekly rate of wage payable to adult female workers at the 30th April, 1914, at 31st December, 1914 to 1918, and at 30th June and 31st December, 1919 and 1920, in the industrial groups in which they are mainly employed, and in all groups combined. Taking the average wage for all groups at the 30th April, 1914, as base (= 1000), index-numbers are given, computed on the average rate of wage ruling at the end of each period indicated.

**Weighted Average Nominal Weekly Rate of Wage payable to Adult Female Workers for a Full Week's Work, and Wage Index-numbers in each Industrial Group, 30th April, 1914, to 31st December, 1920.\***

NOTE.—Index-numbers for each Industrial Group and all Industrial Groups, based on the Average Wage for all groups at 30th April, 1914 (27s. 2d), as base (= 1000). The index-numbers in this table are comparable throughout

| Industrial Group.                                 | Weighted Average Nominal Weekly Rate of Wage and Index-Number at— |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|   | 30th April, 1914.   | 31st Dec., 1914. | 31st Dec., 1915. | 31st Dec., 1916. | 31st Dec., 1917. | 31st Dec., 1918. | 30th June, 1919. | 31st Dec., 1919. | 30th June, 1920. | 31st Dec., 1920. |
| III. Food, Drink, etc. { Wage ...                 | s. d. 22 6  | s. d. 23 5       | s. d. 24 5       | s. d. 25 4       | s. d. 26 4       | s. d. 29 3       | s. d. 31 0       | s. d. 34 8       | s. d. 36 10      | s. d. 41 10      |
| ... { Index-No. 828                               |   | 862              | 899              | 932              | 969              | 1,078            | 1,142            | 1,277            | 1,354            | 1,538            |
| IV. Clothing, Boots, etc... { Wage ...            | s. d. 24 9  | s. d. 24 11      | s. d. 25 1       | s. d. 26 11      | s. d. 29 7       | s. d. 30 9       | s. d. 31 9       | s. d. 37 4       | s. d. 39 4       | s. d. 43 5       |
| ... { Index-No. 911                               |   | 917              | 923              | 991              | 1,089            | 1,131            | 1,169            | 1,373            | 1,449            | 1,597            |
| I., II., V. & VI. All Other Manufactg. { Wage ... | s. d. 26 11   | s. d. 27 0       | s. d. 27 4       | s. d. 29 5       | s. d. 30 4       | s. d. 32 0       | s. d. 33 5       | s. d. 36 9       | s. d. 41 0       | s. d. 44 0       |
| ... { Index-No. 991                               |   | 994              | 1,006            | 1,083            | 1,116            | 1,178            | 1,230            | 1,353            | 1,508            | 1,619            |
| XIII. Domestic, Hotels, etc.†... { Wage ...       | s. d. 31 1  | s. d. 30 2       | s. d. 30 9       | s. d. 31 2       | s. d. 33 5       | s. d. 34 1       | s. d. 34 9       | s. d. 38 2       | s. d. 41 9       | s. d. 46 3       |
| ... { Index-No. 1,144                             |   | 1,110            | 1,132            | 1,147            | 1,230            | 1,255            | 1,279            | 1,403            | 1,537            | 1,701            |
| XIV. Miscellaneous { Wage ...                     | s. d. 30 2  | s. d. 31 4       | s. d. 30 1       | s. d. 29 10      | s. d. 30 6       | s. d. 32 4       | s. d. 33 5       | s. d. 36 2       | s. d. 39 5       | s. d. 46 2       |
| ... { Index-No. 1,110                             |   | 1,153            | 1,107            | 1,098            | 1,123            | 1,189            | 1,229            | 1,332            | 1,450            | 1,700            |
| All Groups ... { Wage ...                         | s. d. 27 2  | s. d. 27 5       | s. d. 27 4       | s. d. 28 6       | s. d. 30 5       | s. d. 31 9       | s. d. 32 9       | s. d. 37 1       | s. d. 39 10      | s. d. 44 6       |
| ... { Index-No. 1,000                             |   | 1,008            | 1,005            | 1,047            | 1,121            | 1,168            | 1,206            | 1,365            | 1,467            | 1,637            |

\* Particulars for the quarters omitted from this table will be found in Labour Reports Nos. 6 to 10.

† See footnote ‡ to table on page 78.

It may be seen from the preceding table that the greatest increase in the weekly rate of wage has occurred in Group III. (Food, Drink, etc.), 85.7 per cent., followed in the order named by Groups IV. (Clothing, Boots, etc.), 75.3 per cent., I., II., V. and VI. (All Other Manufacturing), 63.4 per cent., XIV. (Miscellaneous), 53.2 per cent., and XIII. (Domestic, Hotels, etc.), 48.7 per cent. The weighted average weekly rate of wage for all groups was 63.7 per cent. higher at the end of 1920 than on the 30th April, 1914.

**4. Hours of Labour and Hourly Rates of Wage, 31st December, 1920.**—The rates of wage referred to in the preceding paragraphs of this Section relate to the minimum rates payable for a full week's work. It should be observed, however, that the number of hours which constitutes a full week's work differs in many instances, not only as between various trades and occupations in each State, but also as between the same trades and occupations in the several States. In order to secure what may be for some purposes a more adequate standard of comparison, the results given in the preceding paragraphs are herein reduced to a common basis, viz., the rate of wage per hour, classified according to industrial groups in each State and all States. In Appendixes IV. and V. of this Report, particulars in detail regarding the number of hours worked per week in the various industries in the several States are shewn. It will there be seen that the specified number of hours of labour per week covers a very wide range. In the following tables the average number of hours per week for each State, according to industrial groups, is given.

The tables on pages 86 and 87 shew (a) the average weekly wage, (b) the average number of working hours per week for a full week's work, and (c) the average hourly wage for adult male and female workers in each State and industrial group except Groups XI. (Shipping, etc.), and XII. (Pastoral, Agricultural, etc.). Owing to the fact that many of the occupations included in these two groups are of a casual or seasonal nature, and that the hours of labour are not generally regulated either by awards or determinations of industrial tribunals or otherwise, the necessary particulars for the computation of average working time and hourly rates of wage are not available.

The general effect of reducing the weighted average rates of wage to a common basis (i.e., per hour) is to eliminate on comparison any apparent difference between the several States which may be due to unequal working time.

(i.) The following table gives particulars in regard to the weighted average nominal weekly and hourly rates of wage payable to adult male workers and weekly hours of labour at the 31st December, 1920 :—

**Weighted Average Nominal Weekly and Hourly Rates of Wage Payable to Adult Male Workers, and Weekly Hours of Labour, 31st December, 1920.**

| Industrial Groups.                     | Particulars.†                               | Sydney.                 | Melbourne.             | Brisbane.               | Adelaide.               | Perth.                  | Hobart.                 | Average for Six Capital Towns. |
|--|---|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------------|
| I. Wood, Furniture, etc.               | Weekly Wage<br>Working Hours<br>Hourly Wage | 101/1<br>47.57<br>2/1½  | 91/10<br>47.90<br>1/11 | 93/-<br>44.11<br>2/1½   | 90/3<br>47.90<br>1/10½  | 92/4<br>47.87<br>1/11½  | 94/11<br>47.90<br>1/11½ | 95/1<br>47.21<br>2/0½          |
| II. Engineering, Metal Works, etc.     | Weekly Wage<br>Working Hours<br>Hourly Wage | 97/6<br>47.69<br>2/0½   | 89/5<br>48.00<br>1/10½ | 90/9<br>44.00<br>2/0½   | 86/2<br>48.00<br>1/9½   | 92/3<br>47.30<br>1/11½  | 90/-<br>48.00<br>1/10½  | 92/5<br>47.43<br>1/11½         |
| III. Food, Drink, etc.                 | Weekly Wage<br>Working Hours<br>Hourly Wage | 94/-<br>48.29<br>1/11½  | 85/7<br>47.26<br>1/9½  | 89/11<br>46.06<br>1/11½ | 83/11<br>47.17<br>1/9½  | 87/10<br>47.57<br>1/10½ | 81/5<br>47.94<br>1/8½   | 89/3<br>47.43<br>1/10½         |
| IV. Clothing, Boots, etc.              | Weekly Wage<br>Working Hours<br>Hourly Wage | 91/6<br>46.21<br>1/11½  | 80/9<br>46.34<br>1/9   | 88/7<br>44.27<br>2/-    | 88/7<br>44.27<br>2/-    | 95/2<br>44.36<br>2/1½   | 82/4<br>46.57<br>1/9½   | 86/5<br>45.89<br>1/10½         |
| V. Books, Printing, etc.               | Weekly Wage<br>Working Hours<br>Hourly Wage | 105/11<br>45.05<br>2/4½ | 95/1<br>44.93<br>2/1½  | 95/3<br>44.61<br>2/1½   | 90/11<br>47.56<br>1/11  | 103/11<br>43.10<br>2/5  | 98/8<br>46.00<br>2/1½   | 99/6<br>45.08<br>2/2½          |
| VI. Other Manufacturing                | Weekly Wage<br>Working Hours<br>Hourly Wage | 95/6<br>47.90<br>2/-    | 83/1<br>47.62<br>1/9   | 87/6<br>44.09<br>1/11   | 85/-<br>48.04<br>1/9½   | 88/11<br>47.09<br>1/10½ | 86/-<br>47.69<br>1/9½   | 88/11<br>47.61<br>1/10½        |
| VII. Building .. ..                    | Weekly Wage<br>Working Hours<br>Hourly Wage | 101/3<br>47.21<br>2/1½  | 91/5<br>43.79<br>2/1   | 104/9<br>44.09<br>2/4½  | 83/10<br>44.59<br>1/10½ | 85/1<br>47.90<br>1/9½   | 88/-<br>46.59<br>1/10½  | 95/7<br>45.56<br>2/1½          |
| VIII. Mining‡ .. ..                    | Weekly Wage<br>Working Hours<br>Hourly Wage | 105/4<br>43.83<br>2/4½  | 100/2<br>44.94<br>2/2½ | 112/6<br>43.03<br>2/7½  | 86/1<br>43.82<br>1/11½  | 102/3<br>43.88<br>2/4   | 96/4<br>45.42<br>2/1½   | 103/10<br>44.01<br>2/4½        |
| IX. Rail & Tram Services               | Weekly Wage<br>Working Hours<br>Hourly Wage | 98/6<br>48.21<br>2/0½   | 86/11<br>48.15<br>1/9½ | 93/11<br>47.89<br>1/11½ | 87/6<br>48.50<br>1/9½   | 96/2<br>48.15<br>2/-    | 84/5<br>48.00<br>1/9    | 93/1<br>48.16<br>1/11½         |
| X. Other Land Transport                | Weekly Wage<br>Working Hours<br>Hourly Wage | 93/-<br>52.57<br>1/9½   | 82/6<br>48.56<br>1/8½  | 81/8<br>48.33<br>1/8½   | 83/3<br>48.00<br>1/8½   | 89/5<br>48.00<br>1/10½  | 87/5<br>48.00<br>1/9½   | 87/3<br>50.06<br>1/9           |
| XI. Shipping, etc. ..                  | Weekly Wage<br>Working Hours<br>Hourly Wage | 89/10<br>..<br>..       | 88/1<br>..<br>..       | 85/3<br>..<br>..        | 87/10<br>..<br>..       | 84/8<br>..<br>..        | 85/7<br>..<br>..        | 88/-<br>..<br>..               |
| XII. Pastoral, Agricultural, etc.      | Weekly Wage<br>Working Hours<br>Hourly Wage | 89/9<br>..<br>..        | 85/2<br>..<br>..       | 87/11<br>..<br>..       | 83/5<br>..<br>..        | 83/5<br>..<br>..        | 84/7<br>..<br>..        | 87/1<br>..<br>..               |
| XIII. Domestic, Hotels, etc.           | Weekly Wage<br>Working Hours<br>Hourly Wage | 88/10<br>51.60<br>1/8½  | 78/-<br>48.43<br>1/7½  | 78/3<br>48.00<br>1/7½   | 65/10<br>49.60<br>1/4   | 74/11<br>48.27<br>1/6½  | 54/8<br>54.00<br>1/0½   | 80/6<br>49.86<br>1/7½          |
| XIV. Miscellaneous ..                  | Weekly Wage<br>Working Hours<br>Hourly Wage | 88/10<br>47.82<br>1/10½ | 82/-<br>47.97<br>1/8½  | 87/-<br>46.78<br>1/10½  | 77/5<br>47.80<br>1/7½   | 84/2<br>46.98<br>1/9½   | 81/-<br>47.40<br>1/8½   | 84/11<br>47.66<br>1/9½         |
| All Groups .. ..                       | Weekly Wage                                 | 94/-                    | 86/1                   | 91/6                    | 82/8                    | 89/9                    | 85/9                    | 89/10                          |
| All Groups excepting XI. and XII .. .. | Weekly Wage                                 | 95/4                    | 86/2                   | 93/1                    | 82/1                    | 91/3                    | 86/3                    | 90/7                           |
|  | Working Hours                               | 47.51                   | 47.19                  | 45.63                   | 47.29                   | 46.53                   | 47.33                   | 47.07                          |
|  | Hourly Wage                                 | 2/-                     | 1/10                   | 2/0½                    | 1/8½                    | 1/11½                   | 1/10                    | 1/11                           |

† Particulars relate to the Weighted Average weekly wage, working hours and hourly wage, respectively. ‡ Average rates of wage and hours prevailing at the principal mining centres in each State. || Average rates of wage are for occupations other than Masters, Officers, and Engineers in the Merchant Marine Service, and include value of victualling and accommodation, where provided, at 67/9 per month, but do not include value of commission on bar sales to stewards. In the recent award for Seamen, the annual value of victualling and accommodation, which was estimated in 1907 at £27, was computed to be £40 13s. 4d. § See footnotes to table on page 78.



(ii.) The following table gives particulars in regard to the weighted average nominal weekly and hourly rates of wage payable to adult female workers and weekly hours of labour at the 31st December, 1920:—

**Weighted Average Nominal Weekly and Hourly Rates of Wage payable to Adult Female Workers, and Weekly Hours of Labour, 31st December, 1920.**

| Industrial Groups.                      | Particulars.* | Sydney. | Melbourne. | Brisbane. | Adelaide. | Perth. | Hobart. | Average for Six Capital Towns. |
|---|---------------|---------|------------|-----------|-----------|--------|---------|--------------------------------|
| III. Food, Drink, etc.                  | Weekly Wage   | 43/11   | 41/5       | 40/6      | 35/2      | 30/-   | 42/9    | 41/10                          |
|   | Working Hours | 47.90   | 48.00      | 46.45     | 48.00     | 48.00  | 48.00   | 47.84                          |
|   | Hourly Wage   | -/11    | -/10½      | -/10½     | -/8½      | -/7½   | -/10½   | -/10½                          |
| IV. Clothing, Boots, etc.               | Weekly Wage   | 45/10   | 41/7       | 41/9      | 43/2      | 51/3   | 40/8    | 43/5                           |
|   | Working Hours | 45.73   | 45.57      | 45.07     | 44.86     | 44.33  | 45.11   | 45.45                          |
|   | Hourly Wage   | 1/-     | -/11       | -/11      | -/11½     | 1/2    | -/10½   | -/11½                          |
| I. II. V. & VI. All other Manufacturing | Weekly Wage   | 44/10   | 43/10      | 41/3      | 42/10     | ..     | 45/-    | 44/-                           |
|   | Working Hours | 46.59   | 47.50      | 44.07     | 47.50     | ..     | 48.00   | 46.95                          |
|   | Hourly Wage   | -/11½   | -/11       | -/11½     | -/10½     | ..     | -/11½   | -/11½                          |
| XIII. Domestic, Hotels, etc.            | Weekly Wage†  | 45/8    | 45/4       | 46/6      | 40/1      | 55/4   | 43/6    | 46/3                           |
|   | Working Hours | 47.69   | 47.69      | 47.33     | 48.00     | 48.00  | 54.00   | 47.86                          |
|   | Hourly Wage   | -/11½   | -/11½      | -/11½     | -/10      | 1/1½   | -/9½    | -/11½                          |
| XIV. Shop Assistants, Clerks, etc.      | Weekly Wage   | 47/6    | 46/-       | 50/6      | 36/6      | ..     | ..      | 46/2                           |
|   | Working Hours | 48.00   | 46.00      | 47.00     | 48.00     | ..     | ..      | 47.15                          |
|   | Hourly Wage   | 1/-     | 1/-        | 1/1       | -/9½      | ..     | ..      | -/11½                          |
| All Groups ..                           | Weekly Wage   | 46/-    | 43/1       | 44/11     | 40/7      | 52/11  | 41/10   | 44/6                           |
|   | Working Hours | 46.83   | 46.23      | 46.09     | 46.51     | 46.20  | 47.86   | 46.47                          |
|   | Hourly Wage   | -/11½   | -/11½      | -/11½     | -/10½     | 1/1½   | -/10½   | -/11½                          |

\* The particulars relate to the **Weighted Average** weekly rates of wage, working hours and hourly wage, respectively. † See footnote ‡ to table on page 78.

**5. Relative Hours of Labour and Hourly Rates of Wage, 1914 to 1920.**—Particulars are given in the following table, classified according to States for male and female occupations separately at 30th April, 1914, and at the end of December, 1914 to 1920. These particulars relate to (a) the weighted average weekly wage, (b) the weighted average number of working hours constituting a full week's work, and (c) the weighted average hourly wage. It should be observed that the weighted average weekly wage relates to all industrial classes combined, and includes the value of board and lodging where supplied in land occupations and the value of victualling in marine occupations,§ whereas the number of working hours, and the hourly wage relate to all industrial classes other than Groups XI. (Shipping), and XII. (Agricultural, Pastoral, etc.). Owing to the fact that many of the occupations included in these two groups are of a casual or seasonal nature, and that the hours of labour in these occupations are not generally regulated either by awards or determinations of industrial tribunals or otherwise, the necessary data for the computation of the average number of working hours are not available.

§ See footnotes to table on page 78.

**Weighted Average Nominal Weekly and Hourly Rates of Wage payable to Adult Workers, and Weekly Hours of Labour, 30th April, 1914, and at the end of the years, 1914 to 1920.**

| Date.             | Particulars.      | N.S.W.      | Vic.        | Q'land.    | S.A.       | W.A.        | Tas.       | C'with.     |
|-------------------|-------------------|-------------|-------------|------------|------------|-------------|------------|-------------|
| MALE WORKERS.     |                   |             |             |            |            |             |            |             |
| 30th April, 1914. | Weekly Wage* ..   | s. d. 55 9  | s. d. 54 3  | s. d. 52 8 | s. d. 54 4 | s. d. 62 2  | s. d. 52 6 | s. d. 55 1  |
|                   | Working Hours† .. | 49.42       | 48.80       | 48.78      | 48.60      | 47.78       | 48.62      | 48.93       |
|                   | Hourly Wage† ..   | 1/2         | 1/1½        | 1/1½       | 1/1½       | 1/4½        | 1/1        | 1/2         |
| 31st Dec., 1914.  | Weekly Wage* ..   | s. d. 56 2  | s. d. 54 7  | s. d. 53 5 | s. d. 54 5 | s. d. 62 10 | s. d. 52 8 | s. d. 55 7  |
|                   | Working Hours† .. | 49.35       | 48.66       | 48.64      | 48.59      | 48.18       | 48.62      | 48.87       |
|                   | Hourly Wage† ..   | 1/2         | 1/1½        | 1/1½       | 1/1½       | 1/4½        | 1/1        | 1/2         |
| 31st Dec., 1915.  | Weekly Wage* ..   | s. d. 57 7  | s. d. 55 3  | s. d. 54 4 | s. d. 54 8 | s. d. 63 4  | s. d. 53 2 | s. d. 56 6  |
|                   | Working Hours† .. | 49.28       | 48.50       | 48.56      | 48.50      | 48.12       | 48.56      | 48.77       |
|                   | Hourly Wage† ..   | 1/2½        | 1/2         | 1/2        | 1/2        | 1/4½        | 1/1½       | 1/2½        |
| 31st Dec., 1916   | Weekly Wage* ..   | s. d. 61 11 | s. d. 58 10 | s. d. 60 4 | s. d. 59 0 | s. d. 65 2  | s. d. 57 0 | s. d. 60 8  |
|                   | Working Hours† .. | 48.51       | 48.22       | 48.27      | 48.14      | 48.11       | 48.55      | 48.33       |
|                   | Hourly Wage† ..   | 1/3½        | 1/3         | 1/3½       | 1/3        | 1/4½        | 1/2        | 1/3½        |
| 31st Dec., 1917   | Weekly Wage* ..   | s. d. 64 5  | s. d. 63 0  | s. d. 65 3 | s. d. 63 1 | s. d. 68 11 | s. d. 59 7 | s. d. 64 2  |
|                   | Working Hours† .. | 48.41       | 48.14       | 47.19      | 47.82      | 48.10       | 48.48      | 48.10       |
|                   | Hourly Wage† ..   | 1/3½        | 1/4         | 1/5        | 1/4        | 1/5½        | 1/3        | 1/4½        |
| 31st Dec., 1918.  | Weekly Wage* ..   | s. d. 65 11 | s. d. 65 6  | s. d. 69 6 | s. d. 65 6 | s. d. 70 4  | s. d. 61 2 | s. d. 66 5  |
|                   | Working Hours† .. | 48.16       | 47.98       | 46.90      | 47.77      | 47.69       | 48.39      | 47.88       |
|                   | Hourly Wage† ..   | 1/4½        | 1/4½        | 1/6        | 1/4½       | 1/6         | 1/3½       | 1/5         |
| 31st Dec., 1919.  | Weekly Wage* ..   | s. d. 76 9  | s. d. 72 0  | s. d. 78 7 | s. d. 70 5 | s. d. 77 8  | s. d. 69 0 | s. d. 74 11 |
|                   | Working Hours† .. | 47.77       | 47.36       | 46.19      | 47.58      | 47.60       | 47.89      | 47.41       |
|                   | Hourly Wage† ..   | 1/7½        | 1/6½        | 1/9        | 1/5½       | 1/7½        | 1/5½       | 1/7½        |
| 31st Dec., 1920.  | Weekly Wage* ..   | s. d. 94 0  | s. d. 86 1  | s. d. 91 6 | s. d. 82 8 | s. d. 89 9  | s. d. 85 9 | s. d. 89 10 |
|                   | Working Hours† .. | 47.51       | 47.19       | 45.63      | 47.29      | 46.53       | 47.33      | 47.07       |
|                   | Hourly Wage† ..   | 2/-         | 1/10        | 2/0½       | 1/8½       | 1/11½       | 1/10       | 1/11        |

FEMALE WORKERS.

|                   |                  |             |             |             |             |             |             |            |
|-------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| 30th April, 1914. | Weekly Wage ..   | s. d. 26 9  | s. d. 27 4  | s. d. 26 11 | s. d. 24 1  | s. d. 37 4  | s. d. 25 10 | s. d. 27 2 |
|                   | Working Hours .. | 49.34       | 48.54       | 49.32       | 49.33       | 48.69       | 50.76       | 49.08      |
|                   | Hourly Wage ..   | -/6½        | -/6½        | -/6½        | -/5½        | -/9½        | -/6         | -/6½       |
| 31st Dec., 1914.  | Weekly Wage ..   | s. d. 26 10 | s. d. 27 9  | s. d. 27 1  | s. d. 24 1  | s. d. 37 4  | s. d. 25 10 | s. d. 27 5 |
|                   | Working Hours .. | 49.34       | 48.54       | 49.82       | 49.33       | 49.44       | 50.76       | 49.11      |
|                   | Hourly Wage ..   | -/6½        | -/6½        | -/6½        | -/5½        | -/9         | -/6         | -/6½       |
| 31st Dec., 1915.  | Weekly Wage ..   | s. d. 27 5  | s. d. 26 11 | s. d. 26 11 | s. d. 24 6  | s. d. 37 5  | s. d. 28 0  | s. d. 27 4 |
|                   | Working Hours .. | 49.45       | 48.46       | 49.84       | 49.35       | 49.86       | 50.14       | 49.12      |
|                   | Hourly Wage ..   | -/6½        | -/6½        | -/6½        | -/6         | -/9         | -/6½        | -/6½       |
| 31st Dec., 1916.  | Weekly Wage ..   | s. d. 28 7  | s. d. 28 5  | s. d. 27 3  | s. d. 24 10 | s. d. 38 10 | s. d. 28 3  | s. d. 28 5 |
|                   | Working Hours .. | 49.44       | 48.36       | 49.85       | 49.02       | 49.08       | 49.83       | 49.02      |
|                   | Hourly Wage ..   | -/7         | -/7         | -/6½        | -/6         | -/9½        | -/6½        | -/7        |
| 31st Dec., 1917.  | Weekly Wage ..   | s. d. 30 5  | s. d. 30 4  | s. d. 30 5  | s. d. 27 9  | s. d. 38 10 | s. d. 28 5  | s. d. 30 5 |
|                   | Working Hours .. | 48.98       | 48.32       | 48.99       | 48.73       | 48.78       | 49.83       | 48.71      |
|                   | Hourly Wage ..   | -/7½        | -/7½        | -/7½        | -/6½        | -/9½        | -/6½        | -/7½       |
| 31st Dec., 1918.  | Weekly Wage ..   | s. d. 31 10 | s. d. 31 3  | s. d. 32 10 | s. d. 29 5  | s. d. 38 10 | s. d. 28 9  | s. d. 31 9 |
|                   | Working Hours .. | 48.35       | 48.32       | 48.37       | 48.73       | 48.78       | 49.83       | 48.42      |
|                   | Hourly Wage ..   | -/8         | -/7½        | -/8½        | -/7½        | -/9½        | -/7         | -/7½       |
| 31st Dec., 1919.  | Weekly Wage ..   | s. d. 40 0  | s. d. 34 5  | s. d. 38 4  | s. d. 33 3  | s. d. 43 7  | s. d. 33 0  | s. d. 37 1 |
|                   | Working Hours .. | 47.53       | 47.63       | 46.76       | 47.67       | 48.12       | 49.28       | 47.54      |
|                   | Hourly Wage ..   | -/10        | -/8½        | -/9½        | -/8½        | -/11        | -/8         | -/9½       |
| 31st Dec., 1920.  | Weekly Wage ..   | s. d. 46 0  | s. d. 43 1  | s. d. 44 11 | s. d. 40 7  | s. d. 52 11 | s. d. 41 10 | s. d. 44 6 |
|                   | Working Hours .. | 46.83       | 46.23       | 46.09       | 46.51       | 46.20       | 47.86       | 46.47      |
|                   | Hourly Wage ..   | -/11½       | -/11½       | -/11½       | -/10½       | 1/1½        | -/10½       | -/11½      |

\* Weighted average weekly wage in all industrial groups combined.

† Weighted average working hours per week, and computed hourly rates of wage for all industrial groups excepting Groups XI. (Shipping, etc.), and XII. (Agricultural, Pastoral, etc.). Working hours have not been generally regulated by industrial tribunals for occupations classified in Industrial Groups XI. and XII.



From the foregoing table it may be seen that there has been a diminution in each of the States, during the period 1914 to 1920, in the number of working hours constituting a full week's work for male and female occupations. The effect of these changes on the hourly rate of wage as compared with the general increase in the weekly wage is readily seen from the comparative index-numbers given in the following table. In each instance (male and female occupations separately) the basis taken is the weighted average for the Commonwealth at the 30th April, 1914 (= 1000).

**Relative Index-numbers for Weekly and Hourly Weighted Average Wage, 30th April, 1914, 31st December, 1914 to 1920.**

NOTE.—Weighted Average for the Commonwealth at 30th April, 1914, as base (= 1000).

| Date.             | Particulars.   | N.S.W. | Vic.  | Q'land. | S.A.  | W.A.  | Tas.  | C'with. |
|-------------------|----------------|--------|-------|---------|-------|-------|-------|---------|
| MALE WORKERS.     |                |        |       |         |       |       |       |         |
| 30th April, 1914. | Weekly Wage .. | 1,011  | 984   | 955     | 986   | 1,128 | 952   | 1,000   |
|                   | Hourly Wage .. | 998    | 980   | 963     | 991   | 1,170 | 933   | 1,000   |
| 31st Dec., 1914.  | Weekly Wage .. | 1,019  | 990   | 969     | 988   | 1,140 | 956   | 1,008   |
|                   | Hourly Wage .. | 1,010  | 990   | 985     | 993   | 1,173 | 936   | 1,009   |
| 31st Dec., 1915.  | Weekly Wage .. | 1,044  | 1,002 | 986     | 992   | 1,149 | 965   | 1,023   |
|                   | Hourly Wage .. | 1,039  | 1,006 | 1,008   | 1,001 | 1,182 | 946   | 1,030   |
| 31st Dec., 1916.  | Weekly Wage .. | 1,123  | 1,067 | 1,095   | 1,071 | 1,182 | 1,034 | 1,100   |
|                   | Hourly Wage .. | 1,127  | 1,074 | 1,097   | 1,075 | 1,206 | 1,011 | 1,105   |
| 31st Dec., 1917.  | Weekly Wage .. | 1,168  | 1,143 | 1,183   | 1,144 | 1,250 | 1,081 | 1,164   |
|                   | Hourly Wage .. | 1,162  | 1,138 | 1,209   | 1,145 | 1,252 | 1,079 | 1,164   |
| 31st Dec., 1918.  | Weekly Wage .. | 1,196  | 1,189 | 1,261   | 1,188 | 1,276 | 1,110 | 1,205   |
|                   | Hourly Wage .. | 1,196  | 1,192 | 1,297   | 1,176 | 1,282 | 1,120 | 1,210   |
| 31st Dec., 1919.  | Weekly Wage .. | 1,393  | 1,306 | 1,426   | 1,277 | 1,409 | 1,251 | 1,359   |
|                   | Hourly Wage .. | 1,405  | 1,322 | 1,512   | 1,262 | 1,408 | 1,259 | 1,378   |
| 31st Dec., 1920.  | Weekly Wage .. | 1,706  | 1,561 | 1,659   | 1,500 | 1,628 | 1,556 | 1,629   |
|                   | Hourly Wage .. | 1,725  | 1,570 | 1,753   | 1,492 | 1,686 | 1,567 | 1,655   |

FEMALE WORKERS.

|                   |                |       |       |       |       |       |       |       |
|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 30th April, 1914. | Weekly Wage .. | 984   | 1,006 | 989   | 885   | 1,373 | 950   | 1,000 |
|                   | Hourly Wage .. | 980   | 1,021 | 976   | 881   | 1,386 | 920   | 1,000 |
| 31st Dec., 1914.  | Weekly Wage .. | 987   | 1,022 | 996   | 885   | 1,373 | 950   | 1,008 |
|                   | Hourly Wage .. | 983   | 1,035 | 983   | 881   | 1,364 | 920   | 1,009 |
| 31st Dec., 1915.  | Weekly Wage .. | 1,007 | 990   | 990   | 901   | 1,376 | 1,031 | 1,005 |
|                   | Hourly Wage .. | 1,002 | 1,005 | 976   | 898   | 1,357 | 1,011 | 1,009 |
| 31st Dec., 1916.  | Weekly Wage .. | 1,050 | 1,047 | 1,004 | 915   | 1,429 | 1,041 | 1,047 |
|                   | Hourly Wage .. | 1,044 | 1,063 | 991   | 916   | 1,431 | 1,027 | 1,048 |
| 31st Dec., 1917.  | Weekly Wage .. | 1,119 | 1,116 | 1,120 | 1,020 | 1,430 | 1,045 | 1,121 |
|                   | Hourly Wage .. | 1,122 | 1,134 | 1,122 | 1,027 | 1,440 | 1,029 | 1,130 |
| 31st Dec., 1918.  | Weekly Wage .. | 1,173 | 1,151 | 1,208 | 1,084 | 1,430 | 1,059 | 1,168 |
|                   | Hourly Wage .. | 1,191 | 1,169 | 1,226 | 1,092 | 1,426 | 1,044 | 1,185 |
| 31st Dec., 1919.  | Weekly Wage .. | 1,474 | 1,268 | 1,412 | 1,225 | 1,605 | 1,215 | 1,365 |
|                   | Hourly Wage .. | 1,523 | 1,307 | 1,483 | 1,262 | 1,639 | 1,211 | 1,410 |
| 31st Dec., 1920.  | Weekly Wage .. | 1,695 | 1,586 | 1,652 | 1,495 | 1,947 | 1,540 | 1,637 |
|                   | Hourly Wage .. | 1,777 | 1,685 | 1,761 | 1,578 | 2,069 | 1,580 | 1,730 |

## SECTION IX.—VARIATIONS IN NOMINAL AND EFFECTIVE WAGES.

1. **General.**—From the beginning of the year 1913, records have been kept of all changes in rates of wage and hours of labour, the number of workers affected, and the methods by which such changes are brought about. The results of these records have been published in the quarterly Labour Bulletins and in Labour Reports Nos. 5 to 10. In order to supplement the results thus obtained, investigations have been made regarding rates of wage in past years with a view to shewing their general trend in each State and in various industrial groups. The methods adopted for the collection of the data and computation of the results were explained in Report No. 2 (see pages 23-4), and will not be repeated here. The particulars given in this Section shew variations in nominal wages from year to year in each State and in various industrial groups. Index-numbers are also given shewing variations in effective wages in each State.

The total number of occupations for which particulars are available back to 1891 is 652. In 1913, however, the scope of the investigation was extended, and particulars for that and subsequent years are available for no fewer than 3948 male and 308 female occupations. The wages on which the index-numbers are based are, in the majority of cases, minimum rates fixed by industrial tribunals, but in some cases, particularly in the earlier years when no minimum rates had been fixed for many trades, either union or pre-dominant rates have been taken.

2. **Weighted Average Nominal Weekly Rate of Wage in each State and Commonwealth, 30th April, 1914, to 31st December, 1920.**—In the following table the weighted average nominal weekly rate of wage for adult workers (male and female separately), is shewn for each State and the Commonwealth, as at 30th April, 1914, and approximately quarterly intervals to the 31st December, 1920 :—

**Weighted Average Nominal Weekly Rate of Wage Payable to Adult Workers  
for a Full Week's Work in each State and Commonwealth, 30th April,  
1914, to 31st December, 1920.**

| Dates.                  | N.S.W.     | Vic.       | Q'land.    | S.A.       | W.A.       | Tas.       | C'wlth.    |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|
| MALES.                  |            |            |            |            |            |            |            |
| 30th April, 1914 .. ..  | s. d. 55 9 | s. d. 54 3 | s. d. 52 8 | s. d. 54 4 | s. d. 62 2 | s. d. 52 6 | s. d. 55 1 |
| 30th June, 1914 .. ..   | 55 11      | 54 4       | 52 10      | 54 4       | 62 9       | 52 7       | 55 3       |
| 30th September, 1914 .. | 56 2       | 54 7       | 53 4       | 54 5       | 62 10      | 52 8       | 55 6       |
| 31st December, 1914 ..  | 56 2       | 54 7       | 53 5       | 54 5       | 62 10      | 52 8       | 55 7       |
| 31st March, 1915 .. ..  | 56 3       | 54 8       | 53 4       | 54 3       | 63 1       | 52 9       | 55 7       |
| 30th June, 1915 .. ..   | 56 8       | 54 8       | 53 4       | 54 3       | 63 1       | 52 9       | 55 9       |
| 30th September, 1915 .. | 56 10      | 54 11      | 53 8       | 54 3       | 63 1       | 52 9       | 56 0       |
| 31st December, 1915 ..  | 57 7       | 55 3       | 54 4       | 54 8       | 63 4       | 53 3       | 56 6       |
| 31st March, 1916 .. ..  | 58 2       | 56 7       | 55 1       | 55 8       | 63 4       | 53 9       | 57 3       |
| 30th June, 1916 .. ..   | 58 11      | 57 0       | 56 5       | 56 1       | 63 4       | 54 4       | 57 11      |
| 30th September, 1916 .. | 59 6       | 57 9       | 57 11      | 56 6       | 63 8       | 54 9       | 58 8       |
| 31st December, 1916 ..  | 61 11      | 58 10      | 60 4       | 59 0       | 65 2       | 57 0       | 60 8       |
| 31st March, 1917 .. ..  | 62 7       | 60 0       | 61 2       | 59 8       | 65 5       | 57 6       | 61 5       |
| 30th June, 1917 .. ..   | 63 5       | 61 2       | 62 4       | 61 0       | 66 4       | 57 7       | 62 5       |
| 30th September, 1917 .. | 63 9       | 62 3       | 63 5       | 61 6       | 67 10      | 58 6       | 63 3       |
| 31st December, 1917 ..  | 64 5       | 63 0       | 65 3       | 63 1       | 68 11      | 59 7       | 64 2       |
| 31st March, 1918 .. ..  | 64 8       | 63 2       | 65 4       | 63 1       | 69 0       | 59 10      | 64 4       |
| 30th June, 1918 .. ..   | 64 9       | 63 4       | 65 7       | 63 3       | 69 5       | 60 2       | 64 6       |
| 30th September, 1918 .. | 65 0       | 63 9       | 67 0       | 63 7       | 69 6       | 60 4       | 65 0       |
| 31st December, 1918 ..  | 65 11      | 65 6       | 69 6       | 65 6       | 70 4       | 61 2       | 66 5       |
| 31st March, 1919 .. ..  | 68 0       | 66 7       | 70 0       | 65 10      | 70 7       | 61 10      | 67 8       |
| 30th June, 1919 .. ..   | 68 9       | 67 5       | 71 6       | 66 9       | 71 2       | 62 9       | 68 7       |
| 30th September, 1919 .. | 69 9       | 68 5       | 72 6       | 68 3       | 73 11      | 63 11      | 69 9       |
| 31st December, 1919 ..  | 76 9       | 72 0       | 78 7       | 70 5       | 77 8       | 69 0       | 74 11      |
| 31st March, 1920 .. ..  | 81 2       | 74 3       | 81 6       | 72 0       | 78 10      | 73 4       | 78 0       |
| 30th June, 1920 .. ..   | 82 9       | 77 5       | 86 10      | 73 4       | 81 0       | 74 2       | 80 7       |
| 30th September, 1920 .. | 87 0       | 83 1       | 89 5       | 78 9       | 85 9       | 79 3       | 85 1       |
| 31st December, 1920 ..  | 94 0       | 86 1       | 91 6       | 82 8       | 89 9       | 85 9       | 89 10      |

## FEMALES

|                         |            |            |             |            |            |             |            |
|-------------------------|------------|------------|-------------|------------|------------|-------------|------------|
| 30th April, 1914 .. ..  | s. d. 26 9 | s. d. 27 4 | s. d. 26 11 | s. d. 24 1 | s. d. 37 4 | s. d. 25 10 | s. d. 27 2 |
| 30th June, 1914 .. ..   | 26 9       | 27 4       | 27 0        | 24 1       | 37 4       | 25 10       | 27 2       |
| 30th September, 1914 .. | 26 10      | 27 9       | 26 11       | 24 1       | 37 4       | 25 10       | 27 4       |
| 31st December, 1914 ..  | 26 10      | 27 9       | 27 1        | 24 1       | 37 4       | 25 10       | 27 5       |
| 31st March, 1915 .. ..  | 26 10      | 26 11      | 27 2        | 24 0       | 37 5       | 26 3        | 27 1       |
| 30th June, 1915 .. ..   | 27 2       | 26 11      | 27 2        | 24 0       | 37 5       | 26 3        | 27 2       |
| 30th September, 1915 .. | 27 3       | 26 11      | 26 11       | 24 0       | 37 5       | 26 3        | 27 3       |
| 31st December, 1915 ..  | 27 5       | 26 11      | 26 11       | 24 6       | 37 5       | 28 0        | 27 4       |
| 31st March, 1916 .. ..  | 27 7       | 27 11      | 26 11       | 24 6       | 37 5       | 28 4        | 27 9       |
| 30th June, 1916 .. ..   | 27 7       | 27 11      | 26 11       | 24 6       | 37 5       | 27 9        | 27 9       |
| 30th September, 1916 .. | 27 11      | 28 2       | 27 2        | 24 10      | 37 5       | 27 9        | 28 1       |
| 31st December, 1916 ..  | 28 7       | 28 5       | 27 3        | 24 10      | 38 10      | 28 3        | 28 5       |
| 31st March, 1917 .. ..  | 29 1       | 28 10      | 27 5        | 25 9       | 38 10      | 28 4        | 28 11      |
| 30th June, 1917 .. ..   | 29 3       | 28 10      | 27 9        | 27 3       | 38 10      | 28 4        | 29 1       |
| 30th September, 1917 .. | 30 2       | 29 7       | 30 0        | 27 8       | 38 10      | 28 4        | 30 0       |
| 31st December, 1917 ..  | 30 5       | 30 4       | 30 5        | 27 9       | 38 10      | 28 5        | 30 5       |
| 31st March, 1918 .. ..  | 31 0       | 30 5       | 30 7        | 27 10      | 38 10      | 28 5        | 30 9       |
| 30th June, 1918 .. ..   | 31 3       | 30 6       | 30 8        | 28 6       | 38 10      | 28 5        | 30 11      |
| 30th September, 1918 .. | 31 5       | 30 9       | 32 3        | 28 8       | 38 10      | 28 5        | 31 3       |
| 31st December, 1918 ..  | 31 10      | 31 3       | 32 10       | 29 5       | 38 10      | 28 9        | 31 9       |
| 31st March, 1919 .. ..  | 33 6       | 32 2       | 33 0        | 29 5       | 38 10      | 28 9        | 32 8       |
| 30th June, 1919 .. ..   | 33 7       | 32 2       | 33 2        | 29 7       | 38 11      | 28 9        | 32 9       |
| 30th September, 1919 .. | 34 0       | 32 3       | 33 10       | 29 7       | 38 11      | 28 9        | 33 0       |
| 31st December, 1919 ..  | 40 0       | 34 5       | 38 4        | 33 3       | 43 7       | 33 0        | 37 1       |
| 31st March, 1920 .. ..  | 41 8       | 35 11      | 41 3        | 35 9       | 47 6       | 33 5        | 39 0       |
| 30th June, 1920 .. ..   | 41 9       | 37 9       | 41 7        | 35 9       | 48 0       | 39 11       | 39 10      |
| 30th September, 1920 .. | 43 8       | 40 9       | 44 1        | 40 1       | 48 0       | 41 4        | 42 5       |
| 31st December, 1920 ..  | 46 0       | 43 1       | 44 11       | 40 7       | 52 11      | 41 10       | 44 6       |

(i.) *Adult Male Workers.*—It will be seen that the weighted average nominal weekly rate of wage for adult male workers for the whole Commonwealth advanced during the period reviewed by 34s. 9d. In all

the States except Queensland and New South Wales the increase was below the average, being in Tasmania 33s. 3d., in Victoria 31s. 10d., in South Australia 28s. 4d., and in Western Australia 27s. 7d. The increase in Queensland and New South Wales amounts to 38s. 3d. and 38s. 10d. respectively. At the 30th April, 1914, the highest average rate of wage was 62s. 2d. in Western Australia, followed in the order named by New South Wales, South Australia, Victoria, Queensland, and Tasmania. At the 31st December, 1920, New South Wales had the highest average rate of wage, followed in the order named by Queensland, Western Australia, Victoria, Tasmania and South Australia.

(ii.) *Adult Female Workers.*—During the period covered by the investigation, the weighted average nominal weekly rate of wage for adult female workers for the whole Commonwealth advanced 17s. 4d. The greatest increases occurred in New South Wales, Queensland and South Australia.

**3. Variations in Nominal Wage Index-numbers in Industrial Groups, 1901 to 1920.**—The following table shews variations in nominal wage index-numbers, the occupations having been classified in fourteen industrial groups. As already pointed out, these index-numbers are comparable throughout, and shew, not only the variations in wages in each industrial group, but also the relative wages as between the several groups :—

**Variations in Nominal Wage Index-numbers (Adult Males) in different Industries in the Commonwealth, for years specified, 1901 to 1920. (Weighted Average Wage for all Groups in 1911 = 1,000.)**

| Particulars.                              | No. of occupations included. |          | Nominal Wage Index-Numbers. |       |       |       |       |       |       |       |       |       |       |  |
|---|------------------------------|----------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
|   | 1901 to 1912.                | 1913-20. | 1901.                       | 1911. | 1912. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. |  |
| I. Wood, Furniture, etc.                  | 27                           | 270      | 1,019                       | 1,125 | 1,144 | *1142 | 1,161 | 1,174 | 1,245 | 1,288 | 1,345 | 1,479 | 1,855 |  |
| II. Engineering, Metal Works, etc. . .    | 101                          | 636      | 945                         | 1,064 | 1,104 | 1,113 | 1,127 | 1,174 | 1,211 | 1,268 | 1,340 | 1,512 | 1,803 |  |
| III. Food, Drink, etc. . .                | 34                           | 576      | 871                         | 991   | 1,038 | 1,074 | 1,085 | 1,127 | 1,194 | 1,241 | 1,288 | 1,473 | 1,742 |  |
| IV. Clothing, Hats, Boots, etc. . . . .   | 13                           | 124      | 708                         | 981   | 990   | 1,019 | 1,034 | 1,037 | 1,104 | 1,163 | 1,198 | 1,433 | 1,687 |  |
| V. Books, Printing, etc.                  | 25                           | 205      | 996                         | 1,149 | 1,188 | 1,234 | 1,246 | 1,259 | 1,328 | 1,376 | 1,446 | 1,576 | 1,941 |  |
| VI. Other Manufacturing                   | 102                          | 875      | 907                         | 1,013 | 1,037 | 1,076 | 1,093 | 1,125 | 1,203 | 1,245 | 1,289 | 1,470 | 1,736 |  |
| VII. Building . . . .                     | 67                           | 190      | 1,050                       | 1,213 | 1,245 | 1,270 | 1,276 | 1,285 | 1,359 | 1,413 | 1,449 | 1,554 | 1,865 |  |
| VIII. Mining . . . .                      | 71                           | 161      | 1,067                       | 1,194 | 1,216 | 1,270 | 1,272 | 1,299 | 1,420 | 1,528 | 1,532 | 1,724 | 2,026 |  |
| IX. Rail & Tram Services                  | 68                           | 224      | 1,021                       | 1,113 | 1,164 | 1,165 | 1,165 | 1,187 | 1,236 | 1,286 | 1,345 | 1,532 | 1,816 |  |
| X. Other Land Transport                   | 9                            | 70       | 795                         | 910   | 993   | 996   | 1,026 | 1,041 | 1,128 | 1,210 | 1,237 | 1,431 | 1,702 |  |
| XI. Shipping, etc. . .                    | 74                           | 198      | 751                         | 871   | 942   | 953   | 972   | 1,026 | 1,153 | 1,194 | 1,257 | 1,518 | 1,716 |  |
| XII. Agricultural, Pastoral, etc. . . . . | 8                            | 72       | 627                         | 839   | 944   | 965   | 965   | 969   | 1,073 | 1,192 | 1,231 | 1,370 | 1,699 |  |
| XIII. Domestic, Hotels, etc.              | 17                           | 114      | 598                         | 887   | 894   | 918   | 935   | 948   | 995   | 1,052 | 1,104 | 1,338 | 1,571 |  |
| XIV. Miscellaneous . .                    | 36                           | 233      | 759                         | 929   | 1,015 | 1,045 | 1,054 | 1,065 | 1,137 | 1,185 | 1,234 | 1,389 | 1,656 |  |
| All Groups† . . . .                       | 652                          | 3,948    | 848                         | 1,000 | 1,051 | 1,076 | 1,085 | 1,102 | 1,184 | 1,252 | 1,296 | 1,462 | 1,752 |  |

\* The slight decrease in this group was due to a reduction in the award rates in the Furniture Trade in New South Wales, resulting from an appeal made by employers. † Weighted average; see graph on page 97 hereof.

4. **Variations in Nominal Wage Index-Numbers in States, 1901 to 1920.**—The following table shews, by means of index-numbers, the variations in wages for all industries in each State, the weighted average wage for the Commonwealth in 1911 being taken as base (= 1000). These results are based generally upon rates of wage prevailing in the capital towns of each State, but in certain industries, such as mining, agriculture, etc., rates are necessarily taken for places outside the metropolitan areas:—

**Variations in Nominal Wage Index-numbers (Adult Males) in different States, for years specified 1901 to 1920. (Weighted Average Wage for Commonwealth in 1911 = 1,000.)**

| Particulars.  | No. of occupations included. |          | Nominal Wage Index-Numbers. |       |       |       |       |       |       |       |       |       |       |        |  |
|---------------|------------------------------|----------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
|               | 1901 to 1912.                | 1913-20. | 1901.                       | 1910. | 1911. | 1912. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920.  |  |
| N.S. Wales .. | 158                          | 874      | 858                         | 968   | 1,003 | 1,058 | 1,088 | 1,096 | 1,124 | 1,208 | 1,257 | 1,286 | 1,498 | 1,835. |  |
| Victoria ..   | 150                          | 909      | 796                         | 924   | 985   | 1,038 | 1,058 | 1,065 | 1,078 | 1,148 | 1,229 | 1,278 | 1,404 | 1,679  |  |
| Queensland    | 87                           | 627      | 901                         | 960   | 997   | 1,010 | 1,027 | 1,042 | 1,060 | 1,177 | 1,273 | 1,356 | 1,534 | 1,785. |  |
| S. Australia  | 134                          | 567      | 819                         | 951   | 1,013 | 1,048 | 1,061 | 1,062 | 1,067 | 1,151 | 1,231 | 1,278 | 1,373 | 1,613  |  |
| W. Australia  | 69                           | 489      | 1,052                       | 1,116 | 1,152 | 1,191 | 1,214 | 1,226 | 1,236 | 1,272 | 1,345 | 1,372 | 1,516 | 1,751  |  |
| Tasmania ..   | 54                           | 482      | 719                         | 772   | 799   | 934   | 1,025 | 1,028 | 1,039 | 1,112 | 1,163 | 1,193 | 1,346 | 1,674  |  |
| C'wealth*     | 652                          | 3,948    | 848                         | 955   | 1,000 | 1,051 | 1,076 | 1,085 | 1,102 | 1,184 | 1,252 | 1,296 | 1,462 | 1,752  |  |

\* Weighted average ; see graph on page 97.

The significance of the above figures since 1906 can be better appreciated by reference to the graph on page 97 which shews, of course, not only variations in wages in each State from year to year, but also the difference in wage-level as between the several States. From this graph it is clearly seen that, excluding Western Australia, the difference between nominal wages in the several States has decreased very considerably since 1906. This difference is shewn at any point by the vertical distance between the graphs. Wages in Queensland and in New South Wales have increased since 1914 at a higher rate than in any other State. The graphs for Victoria and South Australia lie very close together throughout the period. In Tasmania the first determination under the Wages Boards Acts, 1910-1911, came into force in 1911. Since then wages in that State have increased rapidly, and their general level is now near the average for the Commonwealth.

5. **Average Nominal Weekly Wage in the Several States, 1891 to 1920.**—The following table shews the average weekly rate of wage payable to adult male workers in each State from 1891 to 1920. The wages given in this table are relatively identical with the index-numbers shewn in the table above.

**Average Nominal Rates of Wage Payable to Adult Male Workers in each State  
for the years specified from 1891 to 1920.**

| Particulars. | 1891.        | 1896.        | 1901.        | 1910.        | 1911.        | 1912.        | 1913.        | 1914.        | 1915.        | 1916.        | 1917.        | 1918.        | 1919.        | 1920.        |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| N. S. Wales  | 44           | 1 42         | 1 43         | 11 49        | 7 51         | 5 54         | 3 55         | 9 56         | 2 57         | 7 61         | 11 66        | 5 65         | 11 76        | 9 94         |
| Victoria ..  | 40           | 5 38         | 9 40         | 9 47         | 4 50         | 6 53         | 2 54         | 3 54         | 7 55         | 3 58         | 10 63        | 0 65         | 6 72         | 0 86         |
| Queensland.. | 46           | 6 44         | 8 46         | 2 49         | 2 51         | 1 51         | 9 52         | 8 53         | 5 54         | 4 60         | 4 65         | 3 69         | 6 78         | 7 91         |
| S. Australia | 41           | 7 41         | 8 42         | 0 48         | 9 51         | 11 53        | 9 54         | 4 54         | 5 54         | 8 59         | 0 63         | 1 65         | 6 70         | 5 82         |
| W. Australia | 52           | 4 53         | 7 53         | 11 57        | 2 59         | 0 61         | 0 62         | 2 62         | 10 63        | 4 65         | 2 68         | 11 70        | 4 77         | 8 89         |
| Tasmania ..  | 38           | 6 35         | 6 36         | 10 39        | 6 41         | 0 47         | 10 52        | 6 52         | 8 53         | 3 57         | 0 59         | 7 61         | 2 69         | 0 85         |
| C'wealth ..  | 43           | 5 41         | 10 43        | 5 48         | 11 51        | 3 53         | 10 55        | 1 55         | 7 56         | 6 60         | 8 64         | 2 66         | 5 74         | 11 89        |

The average weekly rate in 1920 was highest in New South Wales, followed in the order named by Queensland, Western Australia, Victoria, Tasmania and South Australia. In each of the States of New South Wales, Victoria and Queensland, the rates shew an increase in each of the years specified except in 1896, when there was a decrease compared with 1891. In South Australia there was an increase in each of the years specified, while in Western Australia the average rates remained constant in 1901, 1906, and 1907, with increases in each other year. In Tasmania there was a decrease in 1896 and again in 1907, and substantial increases in 1912 and 1913. During the period 1911 to end of the year 1920, the average weekly rate of wage in New South Wales has increased 83 per cent., in Victoria 70 per cent., in Queensland 79 per cent., in South Australia 59 per cent., in Western Australia 52 per cent., in Tasmania 110 per cent., and the weighted average weekly rate for the Commonwealth has increased from 51s. 3d. to 89s. 10d., an increase of 75 per cent.

**6. Average Nominal Weekly Wage Payable in Industrial Groups, 1891 to 1920.**—The following table shews for each of the years indicated the average weekly wages payable in each of the fourteen industrial groups. The wages are *relatively* identical with the index-numbers shewn in the table on page 92.

**Average Nominal Rate of Wage Payable to Adult Male Workers in each  
Industrial Group, for the years specified from 1891 to 1920.**

| Particulars. | 1891.        | 1896.        | 1901.        | 1910.        | 1911.        | 1912.        | 1913.        | 1914.        | 1915.        | 1916.        | 1917.        | 1918.        | 1919.        | 1920.        |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Group I.     | 52           | 5 48         | 2 52         | 3 56         | 2 57         | 8 58         | 7 58         | 6 59         | 6 60         | 2 63         | 10 66        | 0 68         | 11 75        | 9 95         |
| " II.        | 47           | 8 47         | 7 48         | 5 51         | 7 54         | 6 56         | 7 57         | 0 57         | 9 60         | 2 62         | 1 65         | 0 68         | 8 77         | 6 92         |
| " III.       | 38           | 2 37         | 11 44        | 7 47         | 6 50         | 9 53         | 2 55         | 0 55         | 8 57         | 9 61         | 2 63         | 7 66         | 0 75         | 6 89         |
| " IV.        | 36           | 8 36         | 5 36         | 3 50         | 0 50         | 3 50         | 9 52         | 3 53         | 0 53         | 2 56         | 7 59         | 7 61         | 5 73         | 5 86         |
| " V.         | 53           | 5 50         | 1 51         | 0 56         | 6 58         | 11 60        | 11 63        | 3 63         | 10 64        | 6 68         | 1 70         | 6 74         | 1 80         | 9 99         |
| " VI.        | 46           | 4 44         | 8 46         | 5 48         | 6 51         | 11 53        | 1 55         | 1 56         | 0 57         | 8 61         | 8 63         | 10 66        | 1 75         | 4 88         |
| " VII.       | 50           | 6 47         | 6 53         | 10 59        | 7 62         | 1 63         | 10 65        | 1 65         | 5 65         | 10 69        | 8 72         | 5 74         | 3 79         | 8 95         |
| " VIII.      | 58           | 1 53         | 10 54        | 8 59         | 10 61        | 2 62         | 4 65         | 1 65         | 2 66         | 7 72         | 9 78         | 4 78         | 6 88         | 4 103        |
| " IX.        | 50           | 10 51        | 0 52         | 4 55         | 0 57         | 0 59         | 7 59         | 8 59         | 8 60         | 10 63        | 4 65         | 11 68        | 11 78        | 6 93         |
| " X.         | 39           | 6 36         | 0 40         | 9 45         | 7 46         | 7 50         | 10 51        | 1 52         | 8 53         | 4 57         | 10 62        | 0 63         | 5 73         | 4 87         |
| " XI.        | 38           | 2 34         | 6 38         | 5 43         | 11 44        | 7 48         | 3 48         | 10 49        | 10 52        | 7 59         | 1 61         | 2 64         | 5 77         | 9 88         |
| " XII.       | 34           | 10 33        | 6 32         | 1 40         | 11 43        | 0 48         | 4 49         | 5 49         | 5 49         | 8 55         | 0 61         | 1 63         | 1 70         | 3 87         |
| " XIII.      | 32           | 10 30        | 6 30         | 8 38         | 1 45         | 5 45         | 10 47        | 0 47         | 11 48        | 7 51         | 0 53         | 11 56        | 7 68         | 7 80         |
| " XIV.       | 39           | 7 38         | 7 38         | 10 45        | 6 47         | 7 52         | 0 53         | 7 54         | 0 54         | 7 58         | 3 60         | 9 63         | 3 71         | 3 84         |
| ALL GROUPS   | 43           | 5 41         | 10 43        | 5 48         | 11 51        | 3 53         | 10 55        | 1 55         | 7 56         | 6 60         | 8 64         | 2 66         | 5 74         | 11 89        |



It may be seen that in 1920 the weekly rate of wage was highest in Group VIII. (Mining), 103s. 10d., while the lowest average weekly rate was in Group XIII. (Domestic, Hotels, etc.), where the rate was 80s. 6d. The average weekly rate for all groups together increased in all the years since 1891 except in 1896. The rate in 1901 was the same as in 1891, (43.5d.), but in 1918 had increased to 66s. 5d., in 1919 to 74s. 11d., and in 1920 to 89s. 10d.

**7. Nominal Wages and Effective Wages.**—Wages are said to be *nominal* when they refer to the actual amounts of money received in return for labour, and are described as *effective* when their equivalence in purchasing power is expressed, that is their purchasing power according to some definite "composite unit" or "regimen," the cost of which is ascertained at a particular date or during a particular period adopted as a datum for reference. From what was said in Section IV., par. 3, of Labour Report No. 6, it is obvious that "effectiveness" of wages can be unequivocally ascertained only when changes in price vary normally, that is to say, when it is practicable and reasonable to regard the "composite unit" as continuously applicable. Estimates of the effectiveness of wages when the original regimen or composite unit ceases to be of reasonable application, as may be the case in times of severe drought, war, etc., become of more or less questionable validity. At such times some modification of the accustomed regimen may (or should) take place, and in the degree to which such modification may occur, effective wages will become involved in uncertainty. It should, consequently, be borne in mind that index-numbers of effective wages, computed on the supposition of the continual maintenance of a constant regimen cannot be taken to really represent unequivocally the actual effectiveness of wages: they represent rather what *would* have been the effectiveness of wages, had the "composite unit" throughout been virtually the one in use with the wage-earning community. The limitations indicated in Section IV., par. 3, of Labour Report No. 6, already referred to, apply also here. *Fundamental changes in the usage of commodities vitiate this or any other method*, as is obvious from the analysis of the technique for properly ascertaining price-indexes outlined in Report No. 1, Appendix VIII., pp. 23 to 38, and in Appendix I. of Labour Report No. 9. Just as there is no unequivocal means of comparing price-indexes, between say a rice-eating and a meat-eating community, or between a community living according to a very elementary standard of comfort, and one living according to a more advanced standard, so there is in its degree no unequivocal method of computing effectiveness of wages, when the circumstances of the time involve material changes in the "regimen," or are characterised by a temporary passing through abnormal conditions, profoundly affecting the conditions of living.

**8. Variations in Effective Wages in each State, 1901 to 1920.**—In comparing wages, two elements are of obvious importance, viz., (i.) hours worked per day or week, etc., and (ii.) the purchasing-power of money (in regard to the composite unit adopted). Thus 60s. per week of 60 hours is equivalent to 48s. per week of 48 hours on the time basis. Similarly, on the purchasing-power basis, if the purchasing-power *fall* one-fifth, i.e., if the index-number of the purchasing-power *rise*

from 1000 to 1250\*, then 60s. per week (the index - number being 1250), is effectively equal only to 48s. (when the index-number was 1000). Or, again, if the purchasing power *rise* one-third, as is implied by a *fall* in the index-number from 1000 to 750, then 60s. per week originally would, as regards the composite unit, be equal in purchasing power to 80s. Ignoring altogether for the present the number of hours worked, and subject to the limitations referred to in the preceding paragraph, and further assuming that the real value of the average wages is to be measured by their purchasing power in regard to the "composite unit" adopted, then we can reduce the actual average wages paid to their effective value by applying the purchasing-power-of-money index-numbers to the nominal wages index-numbers. The following table shews the effective wage index-numbers in each State for each of the years indicated from 1901 to 1920.

In computing these effective wage index-numbers the nominal wage index-numbers given in paragraph 4 hereof have been divided by the purchasing-power-of-money index-numbers in Section IV., paragraph 5 hereinbefore. The resulting index-numbers shew for each State and for the Commonwealth for the years specified the variations in *effective* wages.

**Variations in Effective Wages in each State and Commonwealth, for the Years specified, 1901 to 1920.†**

| Particulars. | 1901. | 1910. | 1911. | 1912. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| N.S.W. . .   | 961   | 973   | 973   | 922   | 924   | 909   | 850   | 867   | 893   | 902   | 948   | 994   |
| Victoria . . | 915   | 981   | 1,037 | 981   | 1,007 | 964   | 844   | 877   | 950   | 947   | 948   | 939   |
| Queensland . | 1,172 | 1,095 | 1,090 | 1,032 | 1,060 | 1,045 | 912   | 991   | 1,078 | 1,083 | 1,064 | 1,085 |
| S. Australia | 948   | 943   | 957   | 906   | 947   | 929   | 847   | 896   | 989   | 957   | 935   | 919   |
| W. Australia | 1,024 | 1,091 | 1,023 | 1,032 | 1,076 | 1,073 | 1,011 | 1,005 | 1,079 | 1,107 | 1,068 | 1,083 |
| Tasmania . . | 827   | 812   | 838   | 896   | 976   | 943   | 843   | 870   | 894   | 880   | 900   | 911   |
| C'wealth     | 964   | 985   | 1,000 | 955   | 975   | 952   | 862   | 894   | 950   | 952   | 968   | 982   |

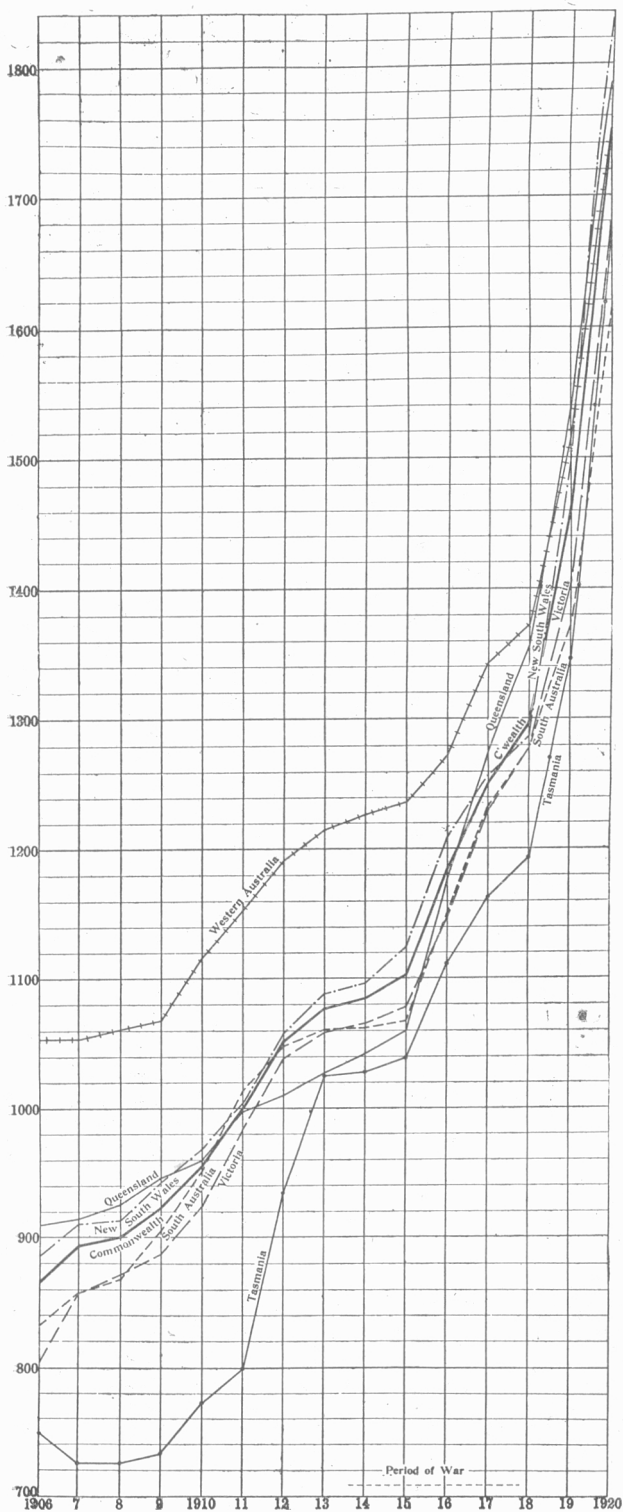
† As to the effect in abnormal periods, see Section IV., par. 3, of Labour Report No. 6.

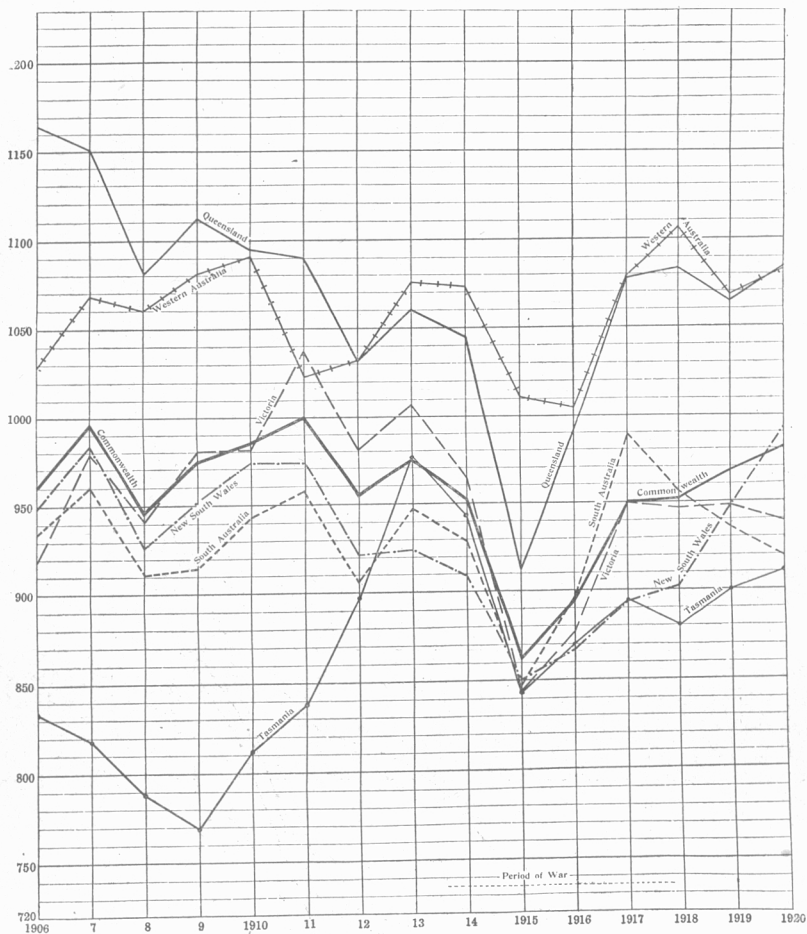
The figures in the above table from the year 1906 onwards are shewn in the graph on page 98. A comparison between this graph with that on the preceding page shews that the difference between nominal and effective wages is very marked. In the first place, the whole nature of the graphs is entirely different. Instead of having a series of lines shewing a practically continuous and rapid upward trend, the effective wages shew a series of fluctuating points, in which (except for Tasmania) no very marked tendency is immediately discernible. It will be seen that, generally speaking, the years 1907, 1909, 1910, 1911, 1913, 1916, 1917, 1918 and 1919, were marked by increases in effective wages, but that in each of the years 1908, 1912, 1914 and 1915, there were rapid decreases. In 1920 effective wages decreased in Victoria and South Australia, and increased in the remaining States. In each of these years in which effective wages declined there was a rapid increase in cost of food and groceries (see graphs on pp. 31-34).

\* Or from any value to one-fifth greater.



NOMINAL WAGE INDEX-NUMBERS IN EACH STATE. AND COMMONWEALTH,  
1906 to 1920.



EFFECTIVE WAGE INDEX-NUMBERS IN EACH STATE, AND COMMONWEALTH,  
1906 to 1920.

One important feature common to both graphs (nominal and effective wages) is the manner in which the graphs for the individual States have, on the whole, approached more closely together. With the adoption of differential rates of wage fixed according to the relative purchasing-power of money, it appears probable that this tendency will continue in the future.

In the table on page 96 the effective wage index-numbers are all computed to the one base, that of the Commonwealth for 1911. The index-numbers, however, are comparable in all respects, and comparisons may therefore be made as to the increase or decrease in the effective wage index-number for any State over any period of years. Thus it will be seen that, comparing 1920 with 1901, there has been an increase in the index-numbers in New South Wales, Victoria, Western Australia, and Tasmania, and a decrease in the remaining States. Similarly, comparing

1920 with 1911 the index-numbers shew that there has been an increase in three of the States, New South Wales, Western Australia and Tasmania, while the index-numbers for the remaining States shew decreases.

**9. Variations in Effective Wages and Standard of Comfort, 1901 to 1920.**—In the preceding paragraph particulars are given as to variations in effective wages in each State, due allowance having been made for variations in the purchasing-power of money, though not for unemployment. Attention has also been drawn to the limitations to which they are subject in abnormal times.

If 48 hours per week be the time for which a given wage is paid, say 60s., then for the purpose of estimating the aggregate average earnings, account must be taken of the proportion of time spent in unemployment. For example, if the working days be 300 per year, and the time unemployed be 6 per cent., the actual proportion of working time is 94 per cent., i.e., 18 days are idle in every 300, or 6 per cent. of the period. Similarly, if of the employable an average of only 94 per cent. are employed, the measure of unemployment is again 6 per cent., and the employment index-number is 940, i.e., 940 in 1000, or 94 per cent.

For years prior to 1913 the data available as to unemployment are so meagre that comparative results allowing for variations both in the purchasing-power of money and in unemployment cannot be accurately computed for the several States. In the subjoined table, however, the percentage of unemployment for the whole Commonwealth at the end of the years specified has been used in order to obtain results shewing the variations in unemployment upon effective wages. Column I. shews the nominal rate of wage index-numbers (see paragraph 5 hereof), and Column II. the relative percentages unemployed (see Section III.). Applying these percentages to the numbers shewn in Column I., and deducting the results from each corresponding index-number, so as to allow for relative loss of time, the figures in Column III. are obtained. These figures are then recomputed with the year 1911 as base, and are shewn in Column IV. In Column V. the purchasing-power-of-money index-numbers are shewn, and in Columns VI. and VII. the effective wage index-numbers are given, firstly, for full work, and secondly, allowing for lost time. These are obtained by dividing the figures in Column I. and IV., respectively, by the corresponding figures in Column V. The resulting index-numbers shew for the Commonwealth for the years specified the variations in *effective* wages or in what may be called the "standard of comfort."\*

A comparison between the figures in Columns I. and VI. shews the relation between the nominal rates of wage and the purchasing efficiency of these rates. The figures in Column VII. (see graph on page 101) shew variations in *effective* wages after allowing not only for variations in purchasing-power of money, but also for the relative extent of unemployment.

\* This expression must not be confused with "standard of living." A change in the standard of living necessarily involves a change in regimen (see Labour Report No. 1), that is, a change in the nature or in the relative quantity of commodities purchased, or both. A change in the "standard of comfort" merely implies a variation in effective wages, which variation may, or may not, result in, or be accompanied by, a change in the "standard of living."

**Unemployment, and Nominal and Effective Wage Index-numbers, for the Years  
specified, 1901 to 1920.†**

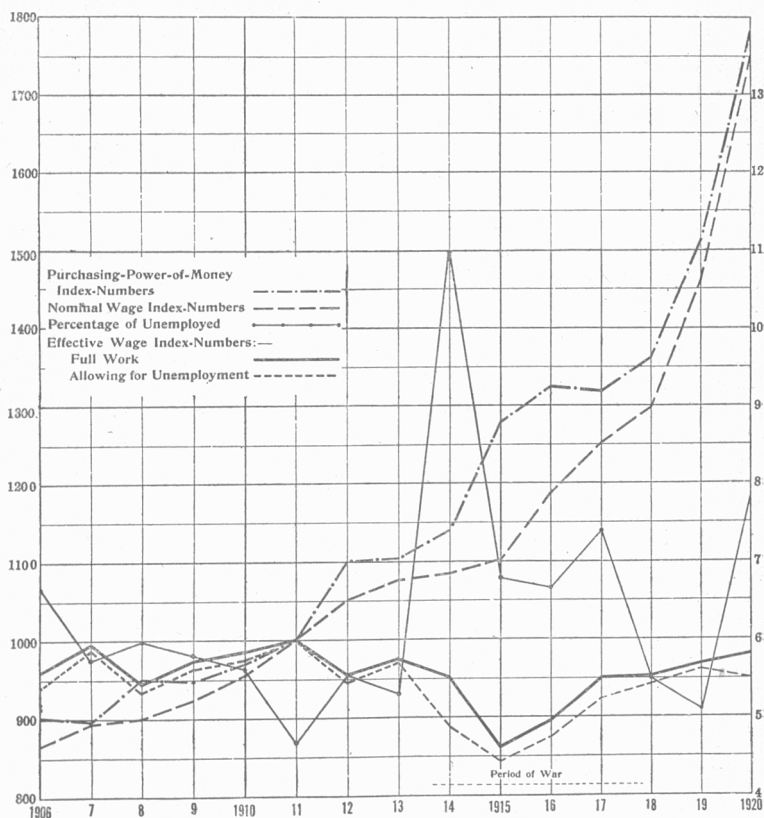
| Year.      | I.<br>Nominal<br>Wage<br>Index-<br>Numbers. | II.<br>Percentage<br>Unem-<br>ployed. | Rate of Wage Index-<br>Numbers, allowing<br>for Lost Time. |   | V.<br>Purchas-<br>ing Power<br>of<br>Money<br>Index-<br>Numbers. | Effective Wage<br>Index-Numbers. |   |
|------------|---|---------------------------------------|--|---|--|----------------------------------|---|
|            |   |                                       | III.<br>Actual.  | IV.<br>Recom-<br>puted.<br>(1911<br>= 1,000). |  | VI.<br>Full Work.                | VII.<br>Allowing<br>for<br>Unemploy-<br>ment. |
| 1901 .. .. | 848   | 6.6                                   | 793  | 832   | 880  | 964                              | 945   |
| 1906 .. .. | 866   | 6.7                                   | 808  | 848   | 902  | 960                              | 940   |
| 1907 .. .. | 893   | 5.7                                   | 842  | 884   | 897  | 996                              | 986   |
| 1908 .. .. | 900   | 6.0                                   | 846  | 888   | 951  | 946                              | 934   |
| 1909 .. .. | 923   | 5.8                                   | 870  | 913   | 948  | 974                              | 963   |
| 1910 .. .. | 955   | 5.6                                   | 901  | 945   | 970  | 985                              | 974   |
| 1911 .. .. | 1,000                                       | 4.7                                   | 953  | 1,000   | 1,000  | 1,000                            | 1,000   |
| 1912 .. .. | 1,051                                       | 5.5                                   | 993  | 1,042   | 1,101  | 955                              | 946   |
| 1913 .. .. | 1,076                                       | 5.3                                   | 1,021  | 1,071   | 1,104  | 975                              | 970   |
| 1914 .. .. | 1,085                                       | 11.0                                  | 966  | 1,014   | 1,140  | 952                              | 889   |
| 1915 .. .. | 1,102                                       | 6.8                                   | 1,027  | 1,078   | 1,278  | 862                              | 844   |
| 1916 .. .. | 1,134                                       | 6.7                                   | 1,105  | 1,159   | 1,324  | 894                              | 875   |
| 1917 .. .. | 1,252                                       | 7.4                                   | 1,159  | 1,216   | 1,318  | 950                              | 923   |
| 1918 .. .. | 1,296                                       | 5.5                                   | 1,225  | 1,285   | 1,362  | 952                              | 943   |
| 1919 .. .. | 1,462                                       | 5.2                                   | 1,386  | 1,454   | 1,510  | 968                              | 963   |
| 1920 .. .. | 1,752                                       | 7.8                                   | 1,615  | 1,695   | 1,785  | 982                              | 950   |

† As to the effect in abnormal periods, see Section IV., par. 3, of Labour Report No. 6.

The above figures for the years 1906 to 1920, inclusive, are shewn in the graph on page 101. It may be seen from the graph that the nominal wage index-number has steadily increased, and that the increase has been at a somewhat greater rate (except in the years 1908, 1912, 1914, 1915, and 1918) than the increase in the purchasing-power-of-money index-numbers. Owing to the decreases in these years the effective wage index-numbers (both "Full Work" and "Allowing for Unemployment") do not, on the whole, shew any general increase, but fluctuate between a range which reached its maximum in 1911, and its minimum in 1915. In 1907 there was a large decrease in unemployment, which is reflected in the "peak" in the effective wage index-number for that year. The rise in the purchasing-power-of-money index-number in 1908, which was a drought year, caused a considerable fall in effective wages. From that year, however, until the year 1911, the effective wage index-number steadily increased from 934 to 1000, but this increase was almost counterbalanced by the fall in 1912, which was due to the large increase in the purchasing-power-of-money index-number and the smaller increase in unemployment. In 1913 the purchasing-power-of-money index-number was practically the same as that for 1912, while nominal wages increased and unemployment decreased, with the result that the effective wage index-numbers, both for full work and allowing for unemployment, shew an increase. The effective wage index-numbers for 1914 both shew a decrease on the preceding year. This decrease is particularly marked in the case of the index-numbers in which allowance is made for unemployment. In 1915 there was a decrease in unemployment when compared with the preceding year, but on the other hand the cost of food and groceries shewed a very substantial increase, so that while nominal wages increased slightly, effective wages index-numbers, both for full work and allowing for unemployment, shew a large decrease, and are, in fact, lower

than for any other year covered by the investigation. In 1916, 1917, 1918, and again in 1919 the effective wage index-numbers both for full work and allowing for unemployment shew an increase, due to the fact that the increase in nominal wages index-number has been greater than the increase in the index-numbers shewing cost of food, groceries, and house rent. In 1920 the effective wage index-number for full work shews an increase, but owing to the somewhat large increase in unemployment, the effective wage index-number allowing for unemployment shews a decrease.

**Unemployment, Purchasing-Power of Money, and Nominal and Effective Wage Index-Numbers, 1906 to 1920.**



EXPLANATORY NOTE.—Each space in the horizontal scale represents one year. The vertical spaces on the left represent the scale for the index-numbers for purchasing-power of money and wages, while the scale on the right from 4 to 11, represents the percentage of unemployment.

#### 10. Relative Productive Activity and Effective Wages, 1871 to 1920.—

The preceding tables refer to the matter of variations in effective wages, having regard to fluctuations in purchasing-power of money and extent of unemployment. Another important matter in any investigation into increases in rates of wage is the question of increase in *relative output* or production per head of population, measured quantitatively. If measured by mere value, increase of price would have the effect of making an equal

production with that of a time when prices were lower, shew an increase which would, of course, be misleading. For example, the annual figures shewing the estimated value of production from the Commonwealth industries do not directly shew whether there has been any increase in the *quantity* produced, since the price-level at the time is itself a factor in the determination of the values. Before, therefore, any estimate of the relative increase or decrease in production (that is, in the relative quantity of output) can be formed, the variations due to the price element must be eliminated. This is done in the table on page 103, in which Column I. shews the estimated *value* of production (a) in the aggregate and (b) per head of mean population. In Column II. the estimated value of production per head of population is shewn in the form of index-numbers with the year 1911 as base; that is to say, the production per head in 1911 is made equal to 1000, and the values for the other years computed accordingly. In Column III. Wholesale and Production price index-numbers are given; it is assumed that these index-numbers reflect, with substantial accuracy, variations in Wholesale and Production prices in the Commonwealth as a whole. The figures in Column IV. are obtained by dividing the figures for each year in Column II. by the corresponding figures in Column III. They shew the estimated relative productive activity per head of population, taking the year 1911 as the basic or standard year, the fluctuations due to variations in prices having been eliminated. The results given by the application of the Wholesale price-index numbers may be regarded as merely confirming the results given in the final column which are to be taken as the best measure of the relative productive activity per head of population.

It should be observed that the index-numbers for the years from 1914 to 1920 cover a period which in several respects was abnormal. At the beginning of that period there was a severe and extensive drought, and again in 1918 drought conditions were prevalent. Further, the enlistments for war service took from industry over 300,000 adult males in the prime of life, while the dislocation of industry owing to the altered conditions arising out of the war must also have adversely affected the productivity of the Commonwealth. It is impossible to measure these effects quantitatively, but steps are being taken to further investigate the matter.

Estimated Value of Australian Production, 1906 to 1920.

| Year.    | Agricultural. | Pastoral. | Dairy, Poultry, and Bee Farming. | Forestry & Fisheries. | Mining. | Manufacturing. | Total.  |
|----------|---------------|-----------|----------------------------------|-----------------------|---------|----------------|---------|
|          | £1000.        | £1000.    | £1000.                           | £1000.                | £1000.  | £1000.         | £1000.  |
| 1906 ... | 25,349        | 45,389    | 13,611                           | 4,879                 | 26,643  | 31,172         | 147,043 |
| 1907 ... | 30,500        | 50,660    | 15,584                           | 4,826                 | 28,317  | 36,155         | 166,042 |
| 1908 ... | 37,150        | 47,259    | 15,045                           | 4,286                 | 24,557  | 36,637         | 164,934 |
| 1909 ... | 41,056        | 50,864    | 15,064                           | 4,462                 | 23,036  | 39,713         | 174,195 |
| 1910 ..  | 39,752        | 56,993    | 17,387                           | 4,789                 | 23,222  | 45,598         | 187,741 |
| 1911 ..  | 38,774        | 50,725    | 19,107                           | 5,728                 | 23,494  | 50,767         | 188,595 |
| 1912 ..  | 45,754        | 51,615    | 20,280                           | 6,432                 | 25,645  | 57,022         | 206,748 |
| 1913 ..  | 46,162        | 57,866    | 20,341                           | 6,338                 | 25,810  | 61,586         | 218,103 |
| 1914 ..  | 36,052        | 60,265    | 21,562                           | 6,419                 | 22,275  | 62,922         | 209,495 |
| 1915 ..  | 73,769        | 65,607    | 21,156                           | 5,777                 | 22,428  | 62,883         | 251,620 |
| 1916 ..  | 60,207        | 89,939    | 26,949                           | 5,505                 | 23,606  | 64,205         | 270,411 |
| 1917 ..  | 57,967        | 93,435    | 31,326                           | 5,523                 | 25,581  | 69,797         | 283,629 |
| 1918 ... | 58,080        | 98,297    | 33,738                           | 7,137                 | 26,156  | 75,261         | 298,669 |
| 1919-20  | 72,234        | 109,062   | 38,830                           | 10,170                | 19,725  | 98,162         | 348,183 |



**Estimated Relative Productive Activity in Commonwealth for the Years specified, 1871 to 1920.**

| Year.      | I.                              |                                     | II.   | III.  |  | IV.  |       |
|------------|---------------------------------|-------------------------------------|-------|---|--|--|-------|
|            | Estimated Value of Production.  |                                     |       | Wholesale Price-Index-Number Year 1911=1,000. | Production Price-Index-Number Year 1911=1,000. | Estimated Relative Productive Activity per head Index-Numbers Year 1911=1,000. |       |
|            | (a)<br>Total.<br>(000 omitted.) | (b)<br>Per Head of Popula-<br>tion. |       |   |  |  |       |
|            | £                               | £                                   |       |   |  | *  | †     |
| 1871 ..    | 46,700                          | 27.46                               | 665   | 1,229   | ..   | 541  | ..    |
| 1881 ..    | 71,116                          | 30.83                               | 747   | 1,121   | ..   | 666  | ..    |
| 1891 ..    | 96,087                          | 29.65                               | 718   | 945   | ..   | 760  | ..    |
| 1901 ..    | 114,585                         | 29.96                               | 726   | 974   | ..   | 745  | ..    |
| 1906 ..    | 147,043                         | 35.94                               | 871   | 948   | ..   | 919  | ..    |
| 1907 ..    | 166,042                         | 39.90                               | 967   | 1,021   | ..   | 947  | ..    |
| 1908 ..    | 164,934                         | 38.97                               | 944   | 1,115   | 1,070  | 847  | 882   |
| 1909 ..    | 174,195                         | 40.29                               | 976   | 993   | 995  | 983  | 981   |
| 1910 ..    | 187,741                         | 42.43                               | 1,028 | 1,000   | 973  | 1,028  | 1,057 |
| 1911 ..    | 188,595                         | 41.28                               | 1,000 | 1,000   | 1,000  | 1,000  | 1,000 |
| 1912 ..    | 206,748                         | 43.68                               | 1,058 | 1,170   | 1,101  | 904  | 961   |
| 1913 ..    | 218,103                         | 44.77                               | 1,085 | 1,088   | 1,050  | 997  | 1,033 |
| 1914 ..    | 209,495                         | 42.40                               | 1,027 | 1,149   | 1,266  | 894  | 811   |
| 1915 ..    | 251,620                         | 51.02                               | 1,236 | 1,604   | 1,426  | 771  | 867   |
| 1916 ..    | 270,411                         | 55.47                               | 1,344 | 1,504   | 1,498  | 894  | 897   |
| 1917 ..    | 283,629                         | 57.47                               | 1,392 | 1,662   | 1,604  | 838  | 868   |
| 1918 ..    | 298,669                         | 59.37                               | 1,438 | 1,934   | 1,763  | 744  | 816   |
| 1919-20 .. | 348,183                         | 66.36                               | 1,608 | 2,312   | 2,110  | 696  | 762   |

\* Relative Production per head if computed by application of Wholesale Price Index-numbers.

† Relative Production per head (computed by application of Production Price Index-numbers, the basis being indicated in Production Bulletin No 13).

## SECTION X.—OPERATIONS UNDER ARBITRATION AND WAGES BOARD ACTS.

1. **General.**—Particulars regarding operations under the Commonwealth Arbitration Acts and the various State Acts for the regulation of wages and hours and conditions of labour, shewing the number of boards authorised and constituted, also those which had and which had not made any award or determination in each State, the number and territorial scope of awards or determinations, and the number of industrial agreements, in force, were first compiled to the 31st December, 1913.\*

These particulars have from time to time been revised, and reviews to the end of approximately quarterly periods have been published in the periodical Labour Bulletins and Quarterly Summaries to the 31st December, 1920. Information has also been compiled and included in the later issues of the Labour Bulletin and Quarterly Summary respecting the estimated number of workpeople affected by awards or determinations and industrial agreements in each State. The following tabular statement gives particulars of the operations in each State and under the Commonwealth Statutes during each quarter of the years 1916 to 1920†:—

\* Information as to the main provisions of the various Acts in force may be found in the Official Year Book No. 13, pages 992 to 995.

† For particulars for previous years see Labour Reports, Nos. 6 to 10.



# Awards and Determinations Made and Industrial Agreements Filed in each Quarter of the Years 1916 to 1920.

| State.             | 1st Quarter.                   |                   | 2nd Quarter.                   |                   | 3rd Quarter.                   |                   | 4th Quarter.                   |                   | Whole Year.                    |                   |
|--------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|
|                    | Awards or Determinations made. | Agreements Filed. | Awards or Determinations made. | Agreements Filed. | Awards or Determinations made. | Agreements Filed. | Awards or Determinations made. | Agreements Filed. | Awards or Determinations made. | Agreements Filed. |
| 1916.              |                                |                   |                                |                   |                                |                   |                                |                   |                                |                   |
| N.S. Wales .. ..   | 28                             | 7                 | 53                             | 14                | 53                             | 14                | 66                             | 14                | 200                            | 49                |
| Victoria .. ..     | 34                             | ..                | 21                             | ..                | 18                             | ..                | 13                             | ..                | 86                             | ..                |
| Queensland .. ..   | 11                             | 2                 | 26                             | 27                | 18                             | 8                 | 14                             | 5                 | 69                             | 42                |
| S. Australia .. .. | 5                              | 3                 | 7                              | 2                 | 10                             | ..                | 7                              | 1                 | 29                             | 6                 |
| W. Australia .. .. | 3                              | 2                 | 6                              | 3                 | 3                              | 3                 | 4                              | 5                 | 14                             | 13                |
| Tasmania .. ..     | 3                              | ..                | 7                              | ..                | 1                              | ..                | 1                              | ..                | 14                             | ..                |
| Commonwealth .. .. | ..                             | 2                 | 5                              | 3                 | 4                              | 5                 | 5                              | 11                | 14                             | 21                |
| TOTAL .. ..        | 84                             | 16                | 125                            | 49                | 107                            | 30                | 110                            | 36                | 426                            | 131               |
| 1917.              |                                |                   |                                |                   |                                |                   |                                |                   |                                |                   |
| N.S. Wales .. ..   | 35                             | 14                | 23                             | 11                | 31                             | 7                 | 19                             | 11                | 108                            | 43                |
| Victoria .. ..     | 18                             | ..                | 19                             | ..                | 22                             | ..                | 6                              | ..                | 65                             | ..                |
| Queensland .. ..   | 15                             | 3                 | 6                              | 12                | 21                             | 16                | 21                             | 11                | 63                             | 42                |
| S. Australia .. .. | 13                             | ..                | 11                             | ..                | 11                             | 1                 | 4                              | 2                 | 39                             | 3                 |
| W. Australia .. .. | ..                             | 1                 | 2                              | 11                | ..                             | 8                 | 2                              | 8                 | 4                              | 28                |
| Tasmania .. ..     | 1                              | ..                | ..                             | ..                | 3                              | ..                | 3                              | ..                | 7                              | ..                |
| Commonwealth .. .. | 1                              | *65               | 10                             | 5                 | 12                             | 9                 | 10                             | 56                | 33                             | 135               |
| TOTAL .. ..        | 83                             | 83                | 71                             | 39                | 100                            | 41                | 65                             | 88                | 319                            | 251               |
| 1918.              |                                |                   |                                |                   |                                |                   |                                |                   |                                |                   |
| N.S. Wales .. ..   | 18                             | 8                 | 25                             | 5                 | 21                             | 14                | 33                             | 12                | 97                             | 39                |
| Victoria .. ..     | 13                             | ..                | 12                             | ..                | 20                             | ..                | 31                             | ..                | 76                             | ..                |
| Queensland .. ..   | 9                              | 12                | 35                             | 24                | 26                             | 19                | 55                             | 6                 | 125                            | 61                |
| S. Australia .. .. | 3                              | 2                 | 2                              | 5                 | 7                              | 2                 | 17                             | 1                 | 29                             | 10                |
| W. Australia .. .. | 4                              | 7                 | 1                              | 3                 | 3                              | 9                 | 1                              | 7                 | 9                              | 26                |
| Tasmania .. ..     | 2                              | ..                | 3                              | ..                | 6                              | ..                | 4                              | ..                | 15                             | ..                |
| Commonwealth .. .. | 3                              | 5                 | 5                              | 6                 | 4                              | 151†              | 10                             | 51‡               | 22                             | 213               |
| Total .. ..        | 52                             | 34                | 83                             | 43                | 87                             | 195               | 151                            | 77                | 373                            | 349               |
| 1919.              |                                |                   |                                |                   |                                |                   |                                |                   |                                |                   |
| N. S. Wales .. ..  | 20                             | 10                | 35                             | 12                | 32                             | 10                | 45                             | 16                | 132                            | 48                |
| Victoria .. ..     | 21                             | ..                | 17                             | ..                | 13                             | ..                | 18                             | ..                | 69                             | ..                |
| Queensland .. ..   | 18                             | 5                 | 22                             | 4                 | 28                             | 7                 | 59                             | 13                | 127                            | 29                |
| S. Australia .. .. | 9                              | 2                 | 8                              | 2                 | 19                             | 2                 | 15                             | 2                 | 51                             | 8                 |
| W. Australia .. .. | ..                             | 3                 | 3                              | 7                 | 1                              | 16                | 2                              | 11                | 6                              | 37                |
| Tasmania .. ..     | 6                              | ..                | 4                              | ..                | 5                              | ..                | 6                              | ..                | 21                             | ..                |
| Commonwealth .. .. | 3                              | 13                | 2                              | 3                 | 6                              | 44§               | 10                             | 100               | 21                             | 160               |
| TOTAL .. ..        | 77                             | 33                | 91                             | 28                | 104                            | 79                | 155                            | 142               | 427                            | 282               |
| 1920.              |                                |                   |                                |                   |                                |                   |                                |                   |                                |                   |
| N.S. Wales .. ..   | 19                             | 17                | 52                             | 6                 | 38                             | 12                | 30                             | 29                | 139                            | 64                |
| Victoria .. ..     | 48                             | ..                | 28                             | ..                | 18                             | ..                | 31                             | ..                | 125                            | ..                |
| Queensland .. ..   | 42                             | 14                | 44                             | 6                 | 46                             | ..                | 36                             | 3                 | 168                            | 23                |
| S. Australia .. .. | 10                             | ..                | 8                              | 3                 | 25                             | 2                 | 31                             | 6                 | 74                             | 11                |
| W. Australia .. .. | ..                             | 19                | ..                             | 18                | ..                             | 12                | 2                              | 16                | 2                              | 65                |
| Tasmania .. ..     | 21                             | ..                | 9                              | ..                | 15                             | ..                | 9                              | ..                | 54                             | ..                |
| Commonwealth .. .. | 5                              | 66**              | 8                              | 87††              | 2                              | 9                 | 17‡‡                           | 21                | 32                             | 183               |
| TOTAL .. ..        | 145                            | 116               | 149                            | 120               | 144                            | 35                | 156                            | 75                | 594                            | 346               |

\* Including 55 separate agreements made between the Australian Saddlery and Leather Workers Trades Employees' Federation and various employers. † Including 140 separate agreements made between the Federated Engine Drivers' and Firemen's Association and various employers. ‡ Including 37 separate agreements made between the Federated Coopers' Association and various employers. § Including 29 separate agreements made between the Federated Engine Drivers' and Firemen's Association and various employers. || Including 68 separate agreements made between the Federated Engine Drivers' and Firemen's Association and various employers. \*\* Including 29 separate agreements made between the Federated Engine Drivers' and Firemen's Association and various employers. †† Including 33 separate agreements made between the Wool and Easil Workers Federation and various employers, and 33 between the Amalgamated Food Preserving Employees' Union and various employers. ‡‡ Including 16 separate agreements made between the Bank Officials' Association and various employers.

Particulars are furnished in the foregoing table of the number of awards and determinations made and industrial agreements filed during the five years 1916 to 1920. Corresponding figures for the years 1914 and 1915 were published in Labour Report, No. 9, p. 108.

Owing to the prevailing drought conditions and the advent of war during the year 1914, varying restrictive measures were introduced either for the suspension or curtailment of the operations of industrial tribunals in each of the States.\* The number of awards and determinations made by Commonwealth and State tribunals throughout the Commonwealth during 1914 was 208, and the number of industrial agreements filed totalled 130. The restrictions were most effective in New South Wales, Victoria, and Queensland during the fourth quarter of 1914 and the first quarter of 1915. During the second quarter of 1915 the restrictions referred to were somewhat relaxed in New South Wales and Queensland, and early in the third quarter operations gradually assumed normal conditions in all the States. During the third and fourth quarters of 1915 greater activity was evidenced in each State, and the number of awards and determinations made by industrial tribunals exceeded those made during any similar period of the two years. The total number of awards and determinations made during the year 1915 was 274, while industrial agreements numbering 243 were filed.

Industrial tribunals were very active during the years 1916 to 1919, due mainly to applications for review of existing awards and determinations, owing to the continued increase in the cost of living.

During 1920 this activity continued, the number of awards and determinations made exceeding the number for any previous year. As compared with 1919, the number of agreements also shewed an increase. The numbers of awards and determinations made in Victoria, Queensland, South Australia and Tasmania, and of agreements filed in South Australia and Western Australia are the highest that have been recorded in these States during any previous annual period. In regard to the reduction during this and the previous year in the number of Queensland agreements filed, it is pointed out that certain industries formerly regulated by industrial agreements are now covered by Awards of the State Court. It will be observed that the awards made in Western Australia have shewn a decrease during the last two years, whereas the number of agreements filed has steadily increased. As compared with the year 1919 the number of agreements filed in this State during 1920 was practically doubled. A large number of these agreements have been made common rules by order of the Court of Arbitration, and thus have the same effect as an award of the Court, binding all employers and workers, whether members of an industrial union or association or not, engaged in the industries within the localities specified in the agreements.

The figures in the preceding table are exclusive of variations of awards, of which there was a large number made during each year. The total variations made by the State and Commonwealth Courts and Wages Boards during 1920 numbered no less than 581, of which number 304 were made during the fourth quarter of the year. Of the total number of variations during the year mentioned, the New South Wales, Queensland and Commonwealth Courts were respectively responsible for

\* A brief account of the effect of these restrictions was given in "Labour Bulletin" No. 9 (pp. 62-4)

375, 127 and 58. In Victoria and Tasmania any alteration in the determination of a Wages Boards is incorporated with the existing determination, and the whole gazetted as a new determination, so that the numbers shewn in the table for these States represent the new determinations and variations made during the periods.

**2. Boards Authorised and Awards, Determinations, and Agreements in Force.**—In the following table particulars are given for all States, excepting Western Australia, of the number of boards authorised and constituted, and, including operations under the Commonwealth and the Western Australian Arbitration Acts, of the number of awards, determinations, and industrial agreements in force in all States at the 31st December, 1913, and at approximately quarterly intervals during the succeeding seven years:—

**Particulars of Boards, and of Awards, Determinations and Industrial Agreements in Force at 31st December, 1913, and at Approximately Quarterly Periods to 31st December, 1920.\***

| Dates.                 | Boards<br>Author-<br>ised. | Boards<br>Con-<br>stituted. | Boards<br>which<br>had made<br>Awards or<br>Deter-<br>minations | Awards<br>or<br>Deter-<br>minations<br>in Force† | Industrial<br>Agree-<br>ments<br>in Force. |
|------------------------|----------------------------|-----------------------------|---|--|--|
| 31st Dec., 1913 .. ..  | 505                        | 501                         | 387   | 575\$  | 401  |
| 30th April, 1914 .. .. | 525                        | 509                         | 422   | 575  | 415  |
| 30th June, 1914 .. ..  | 537                        | 523                         | 457   | 584  | 429  |
| 30th Sept., 1914 .. .. | 549                        | 539                         | 474   | 599  | 409  |
| 31st Dec., 1914 .. ..  | 553                        | 544                         | 478   | 576‡   | 369  |
| 31st March, 1915 .. .. | 560                        | 551                         | 486   | 589‡   | 371  |
| 30th June, 1915 .. ..  | 568                        | 557                         | 495   | 638  | 481  |
| 30th Sept., 1915 .. .. | 582                        | 570                         | 495   | 644  | 498  |
| 31st Dec., 1915 .. ..  | 573¶                       | 554¶                        | 498   | 663  | 546  |
| 31st March, 1916 .. .. | 580                        | 558                         | 495   | 651  | 553  |
| 30th June, 1916 .. ..  | 589                        | 571                         | 512   | 678  | 581  |
| 30th Sept., 1916 .. .. | 591                        | 573                         | 519   | 683  | 596  |
| 31st Dec., 1916 .. ..  | 594                        | 572                         | 525   | 706  | 609  |
| 31st March, 1917 .. .. | 475**                      | 470**                       | 529   | 722  | 666  |
| 30th June, 1917 .. ..  | 476                        | 471                         | 530   | 714  | 663  |
| 30th Sept., 1917 .. .. | 478                        | 473                         | 441††   | 734  | 666  |
| 31st Dec., 1917 .. ..  | 478                        | 472                         | 442   | 744  | 732  |
| 31st March, 1918 .. .. | 478                        | 473                         | 444   | 767  | 722  |
| 30th June, 1918 .. ..  | 478                        | 473                         | 445   | 799  | 722  |
| 30th Sept., 1918 .. .. | 480                        | 475                         | 445   | 843  | 812  |
| 31st Dec., 1918 .. ..  | 267‡‡                      | 260‡‡                       | 445   | 866  | 833  |
| 31st March, 1919 .. .. | 488                        | 483                         | 453   | 888  | 848  |
| 30th June, 1919 .. ..  | 489                        | 484                         | 456   | 915  | 845  |
| 30th Sept., 1919 .. .. | 492                        | 485                         | 463   | 932  | 739  |
| 31st Dec., 1919 .. ..  | 505                        | 498                         | 465   | 942  | 843  |
| 31st March, 1920 .. .. | 508                        | 502                         | 471   | 935  | 923  |
| 30th June, 1920 .. ..  | 523                        | 518                         | 490   | 970  | 1,011                                      |
| 30th Sept., 1920 .. .. | 527                        | 521                         | 486   | 1,008  | 1,005                                      |
| 31st Dec., 1920 .. ..  | 475\$\$                    | 470\$\$                     | 440\$\$   | 1,041  | 972  |

For notes to table see next page.

It will be observed from the particulars set out in the foregoing table that considerable expansion of the principle of the fixation of a legal minimum rate of wage and of working conditions took place during the seven years ending 31st December, 1920. Including the operations under the Commonwealth Arbitration Acts\* and of the Western Australian Industrial Arbitration Court, 466 additional awards or determinations were in force at the end of 1920. The number of industrial agreements† made and in force under the various Acts increased during the seven years under review by 571.

The total number of awards of Industrial and Arbitration Courts and determinations of Wages Boards in force throughout the Commonwealth at the end of December, 1920, was 1041, while the number of industrial agreements filed under the provisions of the various State and Commonwealth Acts at the same date was 972.

There is a wide difference in the various provisions in the industrial Acts in the several States in regard to the terms for which awards, determinations and agreements may be made. In Labour Report No. 10 (pp. 105 to 107) an account was given of the provisions of the various Acts with respect to this matter.

From the particulars set out in the following table, ready comparison can be made with respect to the progress in each of the States during the years specified, regarding the number of Industrial and Wages Boards operating, and the number of awards, determinations, and industrial agreements in force at the end of each annual period.

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\* The Commonwealth Conciliation and Arbitration Act 1904-20, and the Commonwealth (Public Service) Arbitration Act 1911.

† The registration of industrial agreements is not provided for under the Act in force in Victoria, but such agreements may be registered and filed under the provisions of the Commonwealth Conciliation and Arbitration Act.

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\* Details for each quarter have already been published in Labour Bulletins, in Labour Reports Nos. 5 to 10, and in Quarterly Summaries.

† Including awards made by Arbitration Courts.

‡ Owing to certain restrictions being imposed on the operations of Industrial Boards in each State, a number of awards which expired in New South Wales during these periods were not immediately reviewed.

§ Excluding awards or determinations which expired in New South Wales (under the Act of 1908) on 31st December, 1913.

|| Owing to a number of Awards made under the N.S.W. Industrial Disputes Act (1908) being still in force, the Boards constituted for such industries under the Industrial Arbitration Act (1912) had not made any awards.

¶ See remarks with respect to re-authorisation of Boards in New South Wales, Labour Bulletin No. 12, p. 47.

\*\* Reduction in the number of Boards authorised and constituted, is due to the dissolution of all Boards appointed under the Queensland Industrial Peace Act 1912.

†† Exclusive of Queensland Boards appointed under the Industrial Peace Act 1912. The work of these Boards is now undertaken by the Court of Arbitration constituted under the Industrial Arbitration Act of 1916.

‡‡ On the 13th December, 1918, an order was made by the New South Wales Court of Industrial Arbitration recommending the reconstitution of 220 Industrial Boards which had expired by effluxion of time, and on the 19th February, 1919, such Boards were constituted.

§§ Reduction in the number of Boards authorised, etc., is due to the dissolution on the 9th December, 1920, by the Industrial Code, 1920, of Wages Boards in South Australia appointed under the Factories Acts 1907 to 1915. Provision is made in the Industrial Code, 1920, for the appointment of Industrial Boards.

**Boards Authorised and Constituted, Awards, Determinations and Agreements in Force at 31st December, in each of the Years 1913 to 1920.\*\***

| Particulars.  | At 31st Dec. | C'with. | N.S.W.  | Vic.    | Q'land. | S.A.   | W.A.   | Tas.    | Total. |
|---|--------------|---------|---------|---------|---------|--------|--------|---------|--------|
| <i>Boards Authorised, etc.*</i>   |              |         |         |         |         |        |        |         |        |
| Boards authorised   | 1913 .. 216† | 135     | 75      | 56      | ..      | 23     | 505    |         |        |
|   | 1914 .. 230† | 139     | 101     | 56      | ..      | 27     | 553    |         |        |
|   | 1917 .. 237  | 149     | 57      | ..      | 33      | 478    |        |         |        |
|   | 1918 .. 17†  | 153     | 58      | ..      | 37      | 267†   |        |         |        |
|   | 1919 .. 241  | 158     | 2       | 58      | ..      | 46     | 505    |         |        |
|   | 1920 .. 265  | 161     | 2†      | 51      | ..      | 47     | 475    |         |        |
| Boards constituted  | 1913 .. 223† | 132†    | 74      | 51      | ..      | 21     | 501    |         |        |
|   | 1914 .. 238† | 135†    | 94      | 51      | ..      | 26     | 544    |         |        |
|   | 1917 .. 237  | 147†    | 55      | ..      | 32      | 473    |        |         |        |
|   | 1918 .. 17†  | 149     | 56      | ..      | 36      | 260†   |        |         |        |
|   | 1919 .. 241  | 154     | 56      | ..      | 45      | 498    |        |         |        |
|   | 1920 .. 265  | 159     | 2†      | 51      | ..      | 44     | 470    |         |        |
|   | 1913 .. 123  | 123     | 74      | 47      | ..      | 19     | 386    |         |        |
| Boards which have made Awards or Determinations                             | 1914 .. 186  | 130     | 92      | 47      | ..      | 23     | 478    |         |        |
|   | 1917 .. 219  | 140     | 50      | ..      | 32      | 442    |        |         |        |
|   | 1918 .. 219  | 142     | 50      | ..      | 32      | 445    |        |         |        |
|   | 1919 .. 226  | 147     | 53      | ..      | 37      | 465    |        |         |        |
|   | 1920 .. 245  | 150     | 2†      | 51      | ..      | 43     | 440    |         |        |
| Awards and Determinations—  | 1913 .. 17   | 265†    | 127     | 73      | 54      | 18     | 21     | 575     |        |
| Awards and Determinations in force  | 1914 .. 18   | 242     | 133     | 89      | 55      | 46     | 26     | 609     |        |
|   | 1917 .. 64   | 251     | 145     | 125     | 71      | 56     | 32     | 744     |        |
|   | 1918 .. 85   | 284     | 147     | 184     | 80      | 54     | 32     | 866     |        |
|   | 1919 .. 96   | 316     | 151     | 206     | 88      | 48     | 37     | 942     |        |
|   | 1920 .. 106  | 359     | 155     | 212     | 100     | 64     | 45     | 1,041   |        |
| State Awards and Determinations—  | 1913 .. 32   | 8       | 3       | ..      | ..      | 15     | 58     |         |        |
| Applying to Whole State   | 1914 .. 17   | 10      | 4       | ..      | ..      | 19     | 50     |         |        |
|   | 1917 .. 17   | 16      | 14      | ..      | ..      | 25     | 72     |         |        |
|   | 1918 .. 24   | 16      | 23      | ..      | 5       | 26     | 94     |         |        |
|   | 1919 .. 23   | 19      | 30      | ..      | 5       | 36     | 113    |         |        |
|   | 1920 .. 31   | 30      | 44      | 1       | 5       | 43     | 154    |         |        |
|   | 1913 .. 58   | ..      | 28      | 53      | 13      | 1      | 153    |         |        |
| Applying to Metropolitan area   | 1914 .. 63   | ..      | 30      | 54      | 25      | 1      | 173    |         |        |
|   | 1917 .. 80   | 1       | 31      | 62      | 30      | 1      | 205    |         |        |
|   | 1918 .. 86   | 1       | 46      | 66      | 32      | ..     | 231    |         |        |
|   | 1919 .. 94   | 1       | 54      | 70      | 30      | ..     | 249    |         |        |
|   | 1920 .. 106  | 1       | 56      | 72      | 46      | ..     | 281    |         |        |
|   | 1913 .. 49   | 105     | 1       | ..      | 1       | 5      | 161    |         |        |
| Applying to Metropolitan and Country areas                                  | 1914 .. 41   | 109     | 12      | ..      | 5       | 6      | 173    |         |        |
|   | 1917 .. 89   | 118     | 26      | 2       | 5       | 6      | 246    |         |        |
|   | 1918 .. 108  | 120     | 39      | 4       | 3       | 6      | 280    |         |        |
|   | 1919 .. 120  | 121     | 40      | 5       | 2       | 1      | 289    |         |        |
|   | 1920 .. 133  | 114     | 43      | 5       | 2       | 2      | 299    |         |        |
|   | 1913 .. 126  | 14      | 41      | 1       | 4       | ..     | 186    |         |        |
| Applying to Country areas   | 1914 .. 121  | 14      | 43      | 1       | 7       | 16     | 195    |         |        |
|   | 1917 .. 65   | 10      | 54      | 7       | 21      | ..     | 157    |         |        |
|   | 1918 .. 66   | 10      | 76      | 10      | 14      | ..     | 176    |         |        |
|   | 1919 .. 79   | 10      | 82      | 13      | 11      | ..     | 195    |         |        |
|   | 1920 .. 89   | 10      | 69      | 22      | 11      | ..     | 201    |         |        |
| Commonwealth Awards   | 1913 .. 13   | 17      | 15      | 16      | 9       | 13     | ..     |         |        |
|   | 1914 .. 16   | 17      | 15      | 15      | 8       | 12     | ..     |         |        |
| Awards in force in each State   | 1917 .. 41   | 41      | 30      | 37      | 25      | 34     | ..     |         |        |
|   | 1918 .. 63   | 62      | 48      | 57      | 41      | 51     | ..     |         |        |
|   | 1919 .. 71   | 70      | 49      | 63      | 44      | 56     | ..     |         |        |
|   | 1920 .. 71   | 77      | 50      | 69      | 48      | 62     | ..     |         |        |
| Industrial Agreements   | 1913 .. 228  | 75      | ..      | 5       | 11      | 82     | ..     | 401     |        |
|   | 1914 .. 179  | 78      | ..      | 10      | 17      | 85     | ..     | 369     |        |
|   | 1917 .. 465  | 82      | ..      | 75      | 18      | 92     | ..     | 732     |        |
| In force  | 1918 .. 569  | 79      | ..      | 71      | 26      | 88     | ..     | 833     |        |
|   | 1919 .. 570  | 89      | ..      | 65      | 28      | 91     | ..     | 843     |        |
|   | 1920 .. 673  | 107     | ..      | 56      | 31      | 105    | ..     | 972     |        |
|   | 1913 .. 132  | 129     | 68      | 32      | 57      | 61     | ..     | ..      |        |
| C'wealth Agreements in force in each State                                  | 1914 .. 96   | 76      | 28      | 34      | 29      | 30     | ..     | ..      |        |
|   | 1917 .. 137  | 281     | 43      | 50      | 36      | 37     | ..     | ..      |        |
|   | 1918 .. 145  | 359     | 74      | 93      | 54      | 54     | ..     | ..      |        |
|   | 1919 .. 141  | 282     | 58      | 56      | 26      | 91     | ..     | ..      |        |
|   | 1920 .. 220  | 305     | 57      | 71      | 37      | 107    | ..     | ..      |        |
| Number of Persons working under State Awards and Determinations (estimated) | 1920 ..      | 275,000 | 165,000 | 100,000 | 27,000  | 35,000 | 15,000 | 617,000 |        |

\* The figures for New South Wales are exclusive of demarcation boards. † Including boards which were subsequently dissolved, owing to alteration in the sectional arrangement of industries and callings. ‡ Including one board subsequently superseded by three boards. § In pursuance of the provisions of the Industrial Arbitration Act of 1916, all Industrial Boards appointed under the Industrial Peace Act of 1912 were dissolved on the 12th January, 1917, with the exception of those Boards which had matters pending or partly heard. At the 31st December, 1917, these Boards had also been dissolved. The work of the Boards appointed under the old Act is being undertaken by a Court of Arbitration constituted under the new Act. ¶ Omitting a number of awards which expired on the 31st December, 1913. ¶ On the 13th December, 1918, an order was made by the N. S. Wales Court recommending the reconstitution of 220 Industrial Boards which had expired by effluxion of time, and on the 19th February, 1919, such Boards were constituted.

\*\* For particulars relating to the years 1915 and 1916, see Labour Report No. 9, p. 113. †† Wages Boards appointed under the Factories Acts, 1907 to 1915, with the exception of those which had any matter part heard, were dissolved by the Industrial Code, 1920, on the 9th December, 1920. Provision is made in the new Act for the appointment of Industrial Boards.

Information as to the main provisions of the various Industrial Acts in force throughout the Commonwealth was given in Labour Bulletin No. 1. In later issues, brief reviews have also been furnished respecting new legislation of an industrial character, as well as information respecting noteworthy pronouncements or procedure by industrial tribunals, and any special application or conditions of the terms of awards or determinations. In this report, brief particulars are given regarding new industrial legislation and special reports and tribunals connected with industrial matters during the year 1920.

(1) *New South Wales*.—During the year 1920 six awards and one variation were made by Industrial Boards, while 133 awards and 374 variations were made by the Court of Industrial Arbitration. Of the 374 variations, 233 were made during the fourth quarter of the year; most of these variations were the result of applications to the Industrial Court to vary awards in accordance with the declaration of the Board of Trade, which fixed the male living wage at 85s. per week. Since 1917 the work of the Court has increased considerably, as under the provisions of Section 14 of "The Industrial Arbitration Act 1912, as amended," the Court has been exercising the functions of Boards.

At the end of the year 1920, 265 Boards were in existence. Twenty-four new Boards were authorised and constituted during the period under review for the following industries or callings:—Engine-drivers and deckhands employed by the Government on the National Ferries throughout the State; type foundry, etc., employees, moving picture employees, cutters (male and female) of female and juvenile outerclothing, dyers and cleaners, cement, etc., pipe makers, billiard markers, employees on privately-owned railways, and horticultural and garden employees in the State, excluding the County of Yancowinna; warehouse employees within the Counties of Cumberland and Northumberland; time payment collectors in the Metropolitan area; paint and varnish makers, etc., lead workers, etc., and motor drivers and conductors in the County of Cumberland; temporary clerks, clerical officers, professional officers, teachers and court reporters in the State Public Service (five separate Boards); wharf labourers at Newcastle and Morpeth; bank officers in the State, excepting Savings Bank employees; hospital employees, and dredge, tug, etc., employees in the Public Service, and clerks, timekeepers, etc., in the State, excluding the County of Yancowinna and the Metropolitan area.

The constitutions of 28 Boards were also varied during the twelve months.

New legislation of industrial import enacted in this State during the year includes the following measures:—"Industrial Arbitration (Amendment) Act 1920," and "Eight Hours (Amendment) Act, 1920." The first-named Act provides for declarations by the Board of Trade as to living wages taking effect throughout the State. "The Eight Hours (Amendment) Act 1920" was assented to on 29th December, 1920, subsequent to the Report of the Royal Commission of Inquiry (His Honour G. S. Beeby), dated 22nd November, 1920, into the proposed reduction of the standard working week from 48 to 44 hours. The Act provides for the appointment of a special court of enquiry constituted by one of the judges of the Court of Industrial Arbitration sitting with or



without assessors, to consider any application from an industrial union of employees for a reduction in the working hours of employees engaged in any industry. The special court shall, on the completion of each inquiry, report and recommend to the Minister respecting the following matters :—

- (a) Whether the adoption of a working week of forty-four hours or, in the case of workmen employed below ground in mines, of less than forty-four hours will seriously injure the trade of any of the said industries or result in serious public mischief, or in a serious increase in the cost of living.
- (b) Whether, if the working hours of employees or any of them are reduced as aforesaid, there will result a diminution of output, and if so, to what extent.
- (c) Whether by any means production can be increased to an extent sufficient to make up for the decrease of production (if any) arising from the reduction of working hours as aforesaid.
- (d) Whether any increase in the cost of production of any goods, commodities or articles of trade or commerce or the supply of any service will result from the reduction of working hours as aforesaid, and if so, to what extent.
- (e) Whether any, and if so what, means can be adopted to prevent or minimise any increase in the cost of production or the supply of service which may be found as above mentioned.
- (f) Whether, owing to competition between any of the said industries as carried on in this State and similar industries as carried on in other States or abroad, the interests of (a) the State, (b) employers in such industries, or (c) employees in such industries will be prejudiced by the reduction of working hours as aforesaid, and if so, to what extent.
- (g) Whether any, and if so what, means can be adopted to prevent or minimise any prejudicial operation of such reduced working hours.
- (h) Whether the conditions, health, comfort, or well-being of any employees justify a reduction of working hours as aforesaid.
- (i) Whether the reduction of working hours as aforesaid should be accompanied by a reduction of wages or by a prohibition of overtime or by either a qualified or an unlimited right to work overtime.
- (j) Whether a reduction of working hours as aforesaid should be accompanied by any condition or provision for the adoption or continuance of more than one shift of employees with the object of providing employment in any of the said industries, or reducing the cost of production, or maintaining output, or otherwise.
- (k) Generally whether any reduction of working hours as aforesaid is necessary or expedient, and to what extent and subject to what limitations, restrictions, qualifications or conditions (if any).

The special court may, without further inquiry, confirm and adopt as its report any report made or to be made in relation to the working hours of employees in any industry by virtue of the Royal Commission issued



to His Honour Judge Beeby during September 1920. All the powers of the Court of Industrial Arbitration are given to the special court except the power to make or vary an award. The Governor may, by proclamation in the "Government Gazette," adopt the recommendations of the Court, and declare the date upon which the working hours recommended shall come into operation. It is also provided that wages fixed by any award on a weekly basis shall not be reduced by reason only of a reduction in the ordinary working hours by proclamation unless a reduction of wages is provided for by such proclamation as a condition of any reduction of hours. Wages fixed by any award upon a daily or hourly basis shall, without any further award of the Court or other variation of the award, be increased to such amounts as will provide each employee working full time the same amount of wages as he would have received for working full time under the provisions of the award, unless a continuance of the award rates of wage is provided for by the proclamation as a condition of the reduction of hours. The Report of the Royal Commission of Inquiry into the proposed reduction of the standard working week from 48 to 44 hours per week was published as a Special Supplement of the N.S.W. Industrial Gazette during December, 1920. The various questions submitted to the Commission are dealt with exhaustively, and recommendations are made in regard to the reduction of hours of work per week to 44 in the building and iron trade, with certain reservations.

During the year 1920, the Board of Trade made several living wage declarations. On the 19th April the living wage to be paid to adult male employees within the Newcastle District was declared to be 76s. 6d. per week, 12s. 9d. per day, and 1s. 7 $\frac{1}{2}$ d. per hour. On the 11th May, for the same class of employees in the South Coast District, the wage awarded was 77s. 6d. per week, 12s. 11d. per day, and 1s. 7 $\frac{3}{4}$ d. per hour. The living wage for adult male employees within the Central Tablelands area was, on the 8th July, fixed at 78s. per week, 13s. per day, and 1s 7 $\frac{1}{2}$ d. per hour. On the 8th October the Board declared the living wage to be paid to adult male employees throughout the State excepting the County of Yancowinna and the Newcastle, South Coast and Central Tablelands, areas, to be 85s. per week, 14s. 2d. per day, or 1s. 9 $\frac{1}{4}$ d. per hour. This wage was brought into effect by the regulations of the 22nd October. A later declaration of the Board on the 12th December, in effect, extended the above wage to the three areas last mentioned; this wage was brought into operation by regulations of the 24th December. On the 23rd December the living wage for adult female employees in the State, excluding the County of Yancowinna, was declared to be 43s. per week, 7s. 2d. per day, or 10 $\frac{3}{4}$ d. per hour, and was brought into operation by regulations gazetted on the 24th December. At the close of the year the County of Yancowinna (Broken Hill) was the only portion of the State in which the living wage declarations for male and for female employees did not apply. No pronouncement with respect to the rural wage was made during the year, although evidence was taken at many country centres. Other matters which engaged the attention of the Board during the year were (a) the regulation of the conditions of apprenticeship, and (b) occupational diseases. A committee of the Board submitted a report which has been issued, on the question of apprenticeship. The Report contains a comprehensive review of apprenticeship in various countries. The systems of apprenticeship adopted in the United Kingdom, United States, New South Wales and Victoria are reviewed, while the legal,

historical and educational phases are mentioned. A feature of the Report is a chronological table of British, Commonwealth, New South Wales and Victorian Statutes, in which provision is made for the regulation of apprenticeship.

Notices of intention to constitute conciliation committees under the Industrial Arbitration Act were published during the year for the following employees:—Public school teachers in the State; certain storemen and packers within a radius of ten miles from the post and telegraph office, Newcastle, and in the towns of East and West Maitland; certain shop assistants and others within the county of Northumberland, the parish of Stockton, and the municipality of Raymond Terrace; gas employees in the Metropolitan area and also in the country; and for employees in banks throughout the State.

(ii.) *Victoria*.—The number of determinations made by Wages Boards in this State during the year 1920 was 125, as compared with 69 during the previous twelve months. During the period under review, three new Wages Boards were authorised for the following industries or callings, not previously under any Board:—(a) Making flock or mungo; (b) selling softgoods in wholesale warehouses; and (c) nickel ware. The constitutions of the undermentioned boards were varied during the year:—Agricultural Implements; Knitters; Hardware (twice); Straw Hat; Chemists' Shops; Factory Engine-drivers; Storemen and Packers; Country Printers; Provincial Printers; Nickel; Carriage, and Quarry Boards. The constitutions of ten Boards covering employees in the building trades were extended to cover the whole of the State, as from the 1st day of December, 1920.

The Sugar Refiners, Dairy Produce, and Umbrella Wages Boards issued first determinations during the year.

Owing to an industrial dispute in the building trade, the determinations of the Builders' Labourers; Plasterers; Bricklayers; Carpenters; Plumbers; Painters; Slaters and Tilers, and Tuckpointers' Wages Boards were suspended by Order-in-Council for twelve months from the 24th February, 1920. This suspension was subsequently revoked on the 20th July, 1920. The determination of the Stonecutters' Board also was suspended on the 11th May, 1920; the removal of this suspension was made on the 1st June, 1920.

During June a Board of Inquiry was appointed to inquire into the rates of wage to be paid to the different classes of persons employed by the State Government at Morwell, also as to the conditions relating to change rooms, night shift, overtime, shelter sheds and housing accommodation in connection with mining for brown coal in that locality. The determination of the Board provided for a basic wage of 13s. per day.

Two amendments to the Factories and Shops Act were passed by the legislature during the year. "The Factories and Shops Act 1920" relates to the appointment of Wages Boards and provides that the Governor-in-Council may appoint boards without resolutions of both Houses of Parliament, and may revoke, alter, or vary any Order-in-Council or resolution for the appointment of a wages board. The second

measure, "The Factories and Shops Act 1920 (No. 2)" relates to the hours for the closing of shops within the metropolitan district for the sale of fresh uncooked meat.

Since the issue of the last Labour Report, the Railways Classification Board has made a number of awards dealing with the remuneration and working conditions of the railway staff. The basic rate of pay for adult employees was increased, as from 1st January, 1921, from 11s. 9d. to 13s. 6d. per day, and a corresponding increase made in the salaries and wages of all grades of officers and employees within the scope of the Board's jurisdiction.

An award was also made which fixed the hours of duty for the wages staff generally at 96 per fortnight; although in the case of shunters and certain classes of signalmen 88 hours were prescribed as the standard fortnight's work. The hours of telegraph operators were reduced from 84 to 73½ per fortnight, but otherwise the hours worked by salaried officers remain practically unchanged.

Overtime, which was previously paid for at single rate, is to be paid for under an Award of the Board at time and a-half, with double rates after 12 hours' work. Time and a-half has also been prescribed for Sunday work, and double rates for all time worked on certain public holidays.

Increases ranging from 12 per cent. to 30 per cent. have been made in the scale of travelling and relieving expenses, and other concessions of a similar nature have been granted.

In addition, a number of disputes relating to the payment of Wages Board rates to employees of the Department have been heard and determined, and the Board is now investigating a series of claims for special allowances made on behalf of employees whose work is performed under exceptional conditions.

(iii.) *Queensland*.—In this State during 1920 the Court of Industrial Arbitration was particularly active, issuing 168 new awards and varying 127 existing awards. Several industries and callings not previously subject to awards or agreements were covered for the first time during the year.

Certain industries which have previously been subject to awards of the Commonwealth Court of Conciliation and Arbitration were provided for by awards of the State Court of Industrial Arbitration during the year. The most important of these awards were those relating to shearers, station hands and waterside workers.

The reason for the small increase in the number of awards in force at the end of the year 1920, as compared with the previous year, is that the Court of Industrial Arbitration consolidated many awards during the year.

Consolidated awards which took effect during 1920 numbered 14, and repealed 47 awards and 7 industrial agreements previously in force. The industries covered by these fourteen awards were—biscuit making; printing; gas making; engineering; hotel; butter and cheese making, &c.; building; local authorities; retail meat; sawmilling; saddle and harness making; wool, &c. stores; and sugar refining.

By an Order-in-Council of the 4th August, persons employed by or under the State whose annual salary, including bonuses, allowances, &c., is £300 or more, were, from the 1st July, 1920, brought under the operation of the Industrial Arbitration Act of 1916. These persons were previously excepted from the operation of the Act.

During the year the two Boards, Miscellaneous, No. 1 and No. 2, appointed under the provisions of the Industrial Arbitration Act, expired by effluxion of time. These Boards were the only Boards which were appointed under the present Act.

(iv.) *South Australia*.—During the year 1920, 74 awards and determinations were made by the Industrial Court and Wages Boards, and the industrial agreements filed under the provisions of the State Act numbered 11. In this State no Wages Boards were authorised during the year. By the provisions of "The Industrial Code, 1920," all Boards appointed under "The Factories Act 1907 to 1915," with the exception of those which had any matter part heard, were dissolved on the 9th December, 1920. Only two Wages Boards continued in existence after the passing of the Industrial Code, viz., the Stove, Oven, Range and Safe-makers' Board and the Millinery Board.

The Government Workers' Tribunal, the constitution of which was indicated in the previous Labour Report, made several awards during the year providing increased rates of wage to employees in the State Government departments and works.

The most notable event industrially was the passing by the legislature of "The Industrial Code 1920." This measure consolidates and amends the law relating to industrial matters, the constitution and working of Industrial Boards, and the regulation, control, inspection and working of factories. It applies to all employees in any business, manufacture, etc., carried on for trade or for purposes of gain (except agriculture), and includes government and municipal employees. Provision is made for the constitution of an Industrial Court, which may have the assistance of assessors. In making an award the Court has no power to award preference of employment to any section of employees. Appeals from the determinations of Industrial Boards may be heard by the Court. Severe penalties are provided in the case of a lock-out or strike. A new departure, as far as this State is concerned, is contained in the provisions of the Act relating to the appointment of a Board of Industry having somewhat similar powers to the Board of Trade in New South Wales. This body shall comprise a President, who will be the President or Deputy President of the Industrial Court, and four Commissioners, two representing the employers and two the employees. The functions of the Board will be :—(a) To schedule and/or group industries for the purpose of the appointment of Industrial Boards, and to make recommendations to the Minister as to what (if any) new Industrial Boards should be appointed, and what Boards should be dissolved ; (b) to deal with applications to transfer any class of employees from the jurisdiction of an Industrial Board to that of another Board ; (c) to declare the living wage ; and (d) to exercise and perform such other functions and duties as may be directed by resolution of both Houses of Parliament.

The Board is to declare, after public inquiry, a living wage for adult male employees and for adult female employees. No new determination can be made until at least one year has elapsed since making the previous living wage determination. The determination of the Board is to be published in the "Government Gazette," and takes effect on the fourteenth day after such publication.

The above brief review sets forth some of the interesting provisions of this important measure, which repeals the State "Industrial Arbitration Act 1912," and amendments thereof, and also "The Factories Act 1907," and amendments.

(v.) *Western Australia*.—During the twelve months under review only two awards and four variations were made by the Court of Arbitration. The industrial agreements filed during the same period numbered sixty-five, twenty-eight of which were made common rules by the Court. Retirements from awards during the year numbered six, and the number of retirements from industrial agreements was fourteen.

The first amendment to the Industrial Arbitration Act 1912, was passed by the legislature during the year, and was entitled, "Industrial Arbitration Act Amendment Act 1920." It provides, *inter alia*, for the appointment of a special commissioner who may require the attendance of any persons to meet in conference whenever any question has arisen that in his opinion may lead to a lock-out or a strike, or whenever a lock-out or a strike has occurred. At such conference the commissioner shall preside and endeavour to induce the parties to arrive at an agreement.

(vi.) *Tasmania*.—Wages Boards in this State were particularly active during the year, 54 determinations being issued. This number is greatly in excess of the number (21) made last year, and is considerably higher than the number which has been recorded during previous annual periods.

Four new Wages Boards were authorised during the year for the undermentioned industries or callings :—Electrical working ; engineering and moulding ; butter and cheese making ; and chemists and druggists' employees. The Board for engineers, moulders, etc., replaces two Boards.

"The Wages Boards Act 1920," assented to on the 24th December, 1920, consolidated and amended the law relating to Wages Boards. It does not apply to persons carrying on, or employed in, agricultural, horticultural or pastoral pursuits. Existing Wages Boards were abolished by the Act and, in regard to the appointment of new Boards, it is provided that they may be authorised by resolution of both Houses of Parliament, but when Parliament is not in session Boards may be established by proclamation of the Governor. Hitherto there has been no reference in the Wages Boards Acts with respect to industrial agreements, but in the new measure it is provided that they may be filed in the office of the Chief Inspector of Factories. The date on which the Act came into operation was 19th January, 1921.

*Commonwealth Court*.—Awards made during the year by the Commonwealth Court of Conciliation and Arbitration numbered 32, and the number of variations was 58. Industrial agreements numbering 183 were also filed during the year.

The awards made and varied, and industrial agreements filed during the year covered many important sections of industry. The following list shews certain of the industries, in which rates of wage and working conditions were regulated:—Flour milling, storemen and packers (oil stores), fruit growing, ship painting and docking, artificial manure making, marine stewards and pantrymen, mining, coachbuilding (railways), station hands (pastoral industry), tanning and leather dressing, tramway employees, theatrical, saddlery, timber working, Commonwealth railway employees and Public Service (Commonwealth) employees. It is pointed out that many other occupations and industries are covered by awards and agreements made under the provisions of the Commonwealth Conciliation and Arbitration Act, but the diverse nature of the industries regulated is apparent from the above list.

An important and interesting judgment, relating to hours of labour in the timber working industry, was delivered by the President on the 12th November, 1920. Included in the plaint lodged by the Australian Timber Workers' Union was a claim for a working week of 44 hours. The Court, seeing that any reduction of hours in this industry must affect other industries, especially those which involve the tending of machines, allowed employers' and employees' associations and others to take part in the hearing, under section 25 of the Act. After an exhaustive hearing during which a mass of evidence was submitted, relating to the ruling hours of labour in the Commonwealth and other countries, the effect of reduced hours on output and production, the effect of the increased use of machinery, and also in regard to fatigue and efficiency, etc., the President granted the claim of the Union.

"The Commonwealth Conciliation and Arbitration Act, 1904-1918," was amended by "The Commonwealth Conciliation and Arbitration Act, 1920," assented to on 11th October, 1920. An important provision in the new measure is that relating to the matter of increasing or reducing the standard hours of labour, which provides that "notwithstanding anything contained in this Act, the Court shall not have jurisdiction to make an award—

(a) increasing the standard hours of work in any industry; or

(b) reducing the standard hours of work in any industry to less than forty-eight hours per week, or, where the standard hours of work in any industry are less than forty-eight hours per week, reducing the standard hours of work in that industry,

unless the question is heard by the President and not less than two Deputy Presidents, and the increase or reduction, as the case may be, is approved by a majority of the members of the Court by whom the question is heard.

Provided that this sub-section shall not apply to any case in which the hearing of the claim and the taking of evidence in the Court were commenced before the commencement of this section."

Other important sections of the new Act are those which provide for (a) a penalty of one thousand pounds for lock-outs and strikes by persons or organisations affected by awards (Sec. 3, 6a); (b) a penalty of fifty pounds for injuring employee (5, 1a). This section reads:—"An



employer shall not threaten to dismiss an employee, or to injure him in his employment, or to alter his position to his prejudice—

(a) by reason of the circumstances that the employee is, or proposes to become an officer or member of an organisation, or of an association that has applied to be registered as an organisation, or that the employee proposes to appear as a witness or to give evidence in a proceeding under this Act; or

(b) with the intent to dissuade or prevent the employee from becoming such officer or member or from so appearing or giving evidence."

Section twenty-eight (form and continuance of award) of the principal Act is amended by adding at the end of sub-section 2 the following words :—

" Provided that where in pursuance of this sub-section an award has continued in force after the expiration of the period specified in the award, any award made by the Court for the settlement of a new industrial dispute between the parties may, if the Court so orders, be made retrospective to a date not earlier than the date upon which the Court first had cognizance of that dispute.

Notwithstanding anything contained in this Act, if the Court is satisfied that circumstances have arisen which affect the justice of any terms of an award, the Court may, in the same or another proceeding, set aside or vary any terms so affected."

*Arbitration—Commonwealth Public Service.*—" The Arbitration (Public Service) Act" was assented to on the 7th October, 1920. The main features of the Act are set forth hereunder. The Act provides for the appointment of an Arbitrator, who shall be appointed for a term of seven years. The duties of the Arbitrator shall be to determine all matters submitted to him relating to salaries, wages, rates of pay, or terms or conditions of service or employment of officers and employees of the Commonwealth Public Service. All awards and orders made by the Court, under the Arbitration (Public Service) Act 1911, whether before or after the commencement of this Act, shall be deemed to be determinations made by the Arbitrator under this Act. Any organisation of employees in the Public Service shall be entitled to submit to the Arbitrator by memorial any claim relating to salaries, etc. The powers of the Arbitrator as regards any claim or application submitted to him are as follow :—

(a) to vary any determination, and to re-open any question and to give an interpretation of any determination ;

(b) to summon any witness before him, and to compel the production before him of books, documents and things for the purpose of reference to such matters only as relate to the matter of the claim or application ;

(c) to take evidence on oath or affirmation, such evidence unless otherwise ordered by the Arbitrator for reasons affecting the public interest to be taken in public ;

(d) to allow the amendment of the claim or application ;

(e) to declare by any order that any term of a determination shall, subject to such conditions, exceptions, and limitations as are declared in the order, be a common rule of the Public Service, or of any branch or part of the Public Service :

Provided that before any common rule is so declared, the Arbitrator shall by notification published in the "Gazette," and in such other publications, if any, as the Arbitrator directs, specifying the matter in relation to which it is proposed to declare a common rule, make known that all persons and organisations interested and desirous of being heard may, on or before a day named, appear or be represented before the Arbitrator; and the Arbitrator shall, in manner prescribed, hear all such persons and organisations so appearing or represented; and

(f) generally to give all such directions and do all such things as the Arbitrator deems necessary or expedient in the premises.

Provision is contained in the Act that no person or organisation shall in any proceeding under the Act be represented by counsel or solicitor. No determination of the Arbitrator shall be challenged, appealed against, reviewed, quashed, or called in question, or be subject to prohibition or mandamus, in any Court on any account whatever. Any determination shall be expressed to come into operation as from a date to be fixed by the Arbitrator not earlier than after the expiration of thirty days after the determination has been laid before both Houses of the Parliament.

*Industrial Peace Act, 1920.*—This Act, which was assented to on the 13th September, 1920, applies to industrial matters in relation to conciliation and arbitration for the prevention and settlement of industrial disputes extending beyond the limits of any one State.

The following sections are quoted from the Act. It will be noticed that certain of the sections are new features in industrial legislation.

In this Act, unless the contrary intention appears, "Industrial Dispute" means an industrial dispute extending beyond the limits of any one State, and includes:—

- (a) any dispute as to industrial matters; and
- (b) any dispute in relation to employment in an industry carried on by or under the control of the Commonwealth or a State, or any public authority constituted under the Commonwealth or a State; and
- (c) any threatened or impending or probable industrial dispute.

It is provided in Section 5 *inter alia* that "(1) The Governor-General may establish a Commonwealth Council of Industrial Representatives.

(2) The Commonwealth Council shall consist of a Chairman and an even number (not less than six nor more than eight) of other members.

(3) The Chairman shall be chosen by agreement between the representatives of employers and employees or, in default of agreement, shall be appointed by the Governor-General.

(4) Of the members, other than the Chairman, one-half shall be representative of employers, and one-half shall be representative of recognised organisations of employees.

(5) The members representative of employers and of recognised organisations of employees respectively shall be recommended for appointment in the prescribed manner by the respective employers and organisations of employees.

(6) The members of the Commonwealth Council shall hold office during the pleasure of the Governor-General, and shall receive such remuneration by way of salaries or fees, and allowances, as the Governor-General directs."

The powers and functions of the Commonwealth Council are specified in Section 7, and include the following :—

- " (a) to consider any matters, conditions and tendencies in any part of the Commonwealth leading or likely to lead to industrial disputes, or in any way affecting or likely to affect industrial peace ;
- (b) to inquire into any industrial matter brought before it by a member, or referred to it by the Governor-General, and to declare its opinion thereon ;
- (c) to confer with any persons or associations as to any matters affecting the prevention or settlement of industrial disputes ;
- (d) to appoint Committees of the Commonwealth Council for the purpose of any inquiry or conference ;
- (e) to summon any person before the Commonwealth Council or a Committee thereof for the purpose of conference or of giving evidence ;
- (f) to make reports to the Governor-General concerning any industrial matter."

Provision is made in Section 9, *inter alia*, that—“(1) The Governor-General may establish District Councils of Industrial Representatives for any State or part of the Commonwealth.

(2) A District Council shall consist of a Chairman and an even number (not less than six nor more than eight) of other members.

(3) The Chairman shall be chosen by agreement between the representatives of employers and employees, or in default of agreement, shall be appointed by the Governor-General.

(4) Of the members other than the Chairman, one-half shall be representative of employers and one-half shall be representative of recognised organisations of employees.

(5) The members representative of employers and of recognised organisations of employees respectively shall be recommended for appointment in the prescribed manner by the respective employers and organisations of employees.

(6) The members of a District Council shall hold office during the pleasure of the Governor-General, and shall receive such remuneration, by way of salaries or fees, and allowances, as the Governor-General directs."

Section 11 provides that :—“The powers and functions of a District Council shall include the following :—

- (a) to inquire into any industrial matter brought before it by a member, or referred to it by the Commonwealth Council or by any employers or employees or association of employers or recognised organisation of employees ;
- (b) to confer with any persons or associations as to any matters affecting the prevention or settlement of industrial disputes ;
- (c) to appoint Committees of the District Council for the purpose of any inquiry or conference ;

- (d) to summon any person before the District Council or a Committee thereof for the purpose of conference or of giving evidence ;
- (e) to make reports to the Commonwealth Council concerning any industrial matter."

The Governor-General may appoint a Special Tribunal or Tribunals for the prevention of or settlement of any industrial dispute or disputes.

The following sections of the Act with respect to Special Tribunals are of interest :—

"Section 14.—(1) A Special Tribunal shall consist of an equal number of representatives of employers and employees respectively, together with a Chairman.

(2) The Chairman shall be chosen by agreement between the representative of employers and employees, or, in default of agreement, shall be appointed by the Governor-General."

"Section 15.—(1) A Special Tribunal shall have cognizance—

- (a) of any industrial dispute between an organisation of employees on the one hand, and employers or associations of employers on the other hand, referred to it by the persons or organisations parties thereto ; and
- (b) of any industrial dispute as to which a conference has been held under section eighteen of this Act, and as to which agreement has not been reached as to the whole of the dispute, and which has been referred to the Special Tribunal in accordance with section twenty of this Act,

and have power to inquire into all matters relevant to the dispute from the point of production to the final disposal of the commodity by the employer (in the case of a producing industry), and the decision of the Tribunal on the question of relevancy shall be final :

Provided that no dispute as to which the hearing has commenced in the Court shall be referred to a Special Tribunal."

"Section 16.— A Special Tribunal shall have power to hear and determine any industrial dispute of which it has cognizance ; and for that purpose shall have (in addition to any other powers conferred on it under this Act) all powers which by the *Commonwealth Conciliation and Arbitration Act, 1904-1918*, are expressed to be given to the Court or the President as regards an industrial dispute of which the Court has cognizance."

"Section 17.—Any order or award made by a Special Tribunal shall be binding on the parties, and may be enforced as an award of the Court."

"Section 18.—(1) A Special Tribunal or the Chairman thereof, or the Minister, or any person thereto authorised in writing by the Minister, may, for the purpose of preventing or settling industrial disputes, summon any person to attend, at a time and place specified in the summons, at a conference."

"Section 19.—Where, at the hearing before a Special Tribunal, or at any conference summoned in pursuance of this Act, an agreement as to the whole or part of any industrial dispute is made in writing between parties thereto, the agreement may be filed with the Industrial Registrar, and shall thereupon have effect in all respects and be binding on the parties and enforceable as if it were an award of the Court."

Section 21 provides that "In relation to any Special Tribunal, the Governor-General may appoint a Local Board or Boards to exercise jurisdiction, within such limits as are prescribed, or as are defined by the Special Tribunal, for the settlement of any industrial dispute or disputes, or for the prevention or settlement of disputes which have arisen or which may arise in any industry."

With regard to the constitution of the Local Board, it is provided in Section 21 that "(1) A Local Board shall consist of a Chairman, and an even number (not less than four nor more than eight) of other members.

(2) Of the members, other than the Chairman, one-half shall be representative of employers, and one-half shall be representative of recognised organisations of employees."

Section 27 of the Act contains, *inter alia*, the following provisions :—

"(1) When an alleged industrial dispute is referred to a Special Tribunal or a Local Board, any party to the proceeding may apply to the High Court for a decision on the question whether the dispute or any part thereof exists, or is threatened or impending or probable, as an industrial dispute extending beyond the limits of any one State or on any question of law arising in relation to the dispute or to the proceeding or to any award or order of the Court."

"(2) The High Court shall have jurisdiction to hear and determine the question."

"(4) The decision of the High Court or the Justice on the question shall be final and conclusive, and shall not be subject to any appeal to the High Court in its appellate jurisdiction and shall not be challenged, appealed against, reviewed, quashed, or called in question, or be subject to prohibition mandamus or injunctions, in any Court on any account whatever."

During the year 1920 the following Special Tribunals were appointed under the provisions of "The Industrial Peace Act 1920":—

(1) *Coal Industry Special Tribunal*—"for the prevention or settlement of any industrial dispute or disputes which have arisen or which may arise in the coal and shale industry."

(2) *Engine-drivers' and Firemen's (Coal Industry) Special Tribunal*—"for the prevention and settlement of any industrial dispute which has arisen or which may arise in relation to engine-drivers and firemen engaged in the coal and shale industry."

(3) *Coke Industry Special Tribunal*—"for the prevention or settlement of any industrial dispute or disputes which have arisen or which may arise in the coke industry."

At the close of the year each of the Tribunals had made awards for the industries to which they relate.

No action in regard to the appointment of Commonwealth or District Councils of Industrial Representatives under the provisions of the Act had been taken at the end of the year, 1920.

In December 1919, a Commission was appointed by the Commonwealth Government known as the Basic Wage Commission. This Commission was instructed to enquire into the cost of living of a family consisting of man, wife and three children under 14 years of age. It issued its report in November 1920. For further reference to this matter, see Section IV., pp. 28 and 29.

## SECTION XI.—CHANGES IN RATES OF WAGE.

1. **General.**—The collection of information regarding changes in rates of wage throughout the Commonwealth dates from the 1st January, 1913, and the statistical results for the first complete year (1913) were published in Labour Report No. 5. The annual figures for subsequent years were given in Labour Reports Nos. 5 to 10. The annual figures for the year 1920 are given in the following tables.

(i.) *Definition of a Change in Rate of Wage.*—For the purpose of these statistics a change in rate of wage is defined as a change in the weekly rates of remuneration of a certain class of employees, apart from any change in the nature of the work performed, or apart from any revision of rates due to increased length of service or experience. It is obvious that under this definition certain classes of changes are excluded, such, for example, as (a) changes in rates of pay due to promotion, progressive increments, or, on the other hand, to reduction in pay or grade to inefficient workers, and (b) changes in average earnings in an occupation due to a change in the proportions which higher paid classes of workers bear to lower paid classes. Each single change recorded relates to a change in the rates of wage effected in a specific industry or calling, and includes any and all changes to workers in that industry, irrespective of the different number of separate occupations or trades affected. Further, it should be observed that in some instances a change may relate to the employees of a single employer or to those of a number of employers, according to the instrument or method operating to bring about the change. In a few instances, a number of separate arrangements, all of which have not necessarily affected rates of wage, but all of which relate to a specific industry or craft, are grouped and taken as a single change. This course is adopted in order to obviate a multiplicity of changes affecting only a small number of workers in each instance.

(ii.) *Sources of Information.*—Primary information merely as to the fact that a change in rate of wage has occurred is obtained through the following channels:—(a) The Commonwealth and State Industrial Registrars and the Chief Inspector of Factories in each State; (b) Reports from Labour Agents and Correspondents; (c) Quarterly reports from Secretaries of Trade Unions; (d) Returns relating to industrial disputes which resulted in changes in rates of wage; (e) Reports in newspapers, labour and trade reviews, and other publications.

(iii.) *Collection of Particulars concerning Changes.*—On the occurrence of a change in rate of wage, forms\* (prescribed under the Census and Statistics Act 1905) are issued to employers' associations (if any)

\* As these forms are issued under the authority of the Census and Statistics Act 1905, it is compulsory upon prescribed persons to furnish the information required.



and also to the secretaries of the trade unions, the members of which are affected by the change. In certain cases forms are also issued, if necessary, to individual employers. The particulars which have to be inserted in these forms furnish information regarding the occupations of the workers affected, the number of workers in each occupation, the rates of wage paid before and after the change, the locality affected, and the date on which the change took effect. Information must also be furnished regarding employers and employers' associations concerned, if any, and the method by which the change was effected.

On receipt of the completed forms at this Bureau, the particulars are checked and compared with each other and with copies of awards, determinations, and agreements. In all cases when the information furnished on the forms is incomplete or unsatisfactory, further inquiries are made, and the figures checked by reference to Census results, industrial statistics, factory reports, etc.

(iv.).—*Summary of Particulars Tabulated.*—The particulars thus obtained are summarised under the following headings:—(a) Number of workpeople affected; (b) the total net amount of increase\* in the weekly wage distribution; (c) the consequential average increase per week to each of the workpeople affected; (d) the method by which the change was brought about; and (e) if effected with or without a stoppage of work. As regards the number of persons affected, the particulars summarised refer to the total number of persons ordinarily engaged in the specific industry or calling. As to the total net amount of increase in wages, this is computed for a full week's work for all persons ordinarily engaged in the specific industry or calling, and includes particulars of any decreases effected. In cases of changes in the minimum rates of wage payable under awards or determinations of industrial tribunals, it has ordinarily been assumed (in the absence of any definite information to the contrary) that the whole of the workers in each designated occupation received the minimum rates of wage before and after the change.

It should be clearly understood that *the computations* (amount of increase per week) *do not relate to the increase each week*, but only to the increase in a single week on the assumption that the full number of persons ordinarily engaged in the particular trade or occupation affected by the change is employed during that week. It is obvious, therefore, that the aggregate effect per annum cannot be obtained without making due allowance for unemployment and for occupations in which employment is seasonal or intermittent. It is also obvious that since unemployment and activity in all branches of industry may vary from year to year and in many branches from season to season also, no accurate estimate of the actual effect of the changes in the total amount of wages received or paid *per annum* can be made, until the determining factors have been investigated. These factors are (a) the amount of unemployment, and (b) the period of employment in seasonal industries.

Further, it may be pointed out that the aggregate of the particulars given in the Labour Bulletins and Quarterly Summaries relating to each of the four quarters of any year, will not necessarily agree with those given in the annual figures published for that particular year. This

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\* After making allowance for any decreases involved.

is due to the inclusion, as far as possible, in the annual figures of particulars of all changes effected within the year. In some instances the advice of a change is not received in time to allow in the quarterly figures of the inclusion of the full particulars relating thereto.

**2. Number and Effect of Changes in each State for the Years, 1913 to 1920.**—The following table gives particulars relating to all changes in rates of wage, recorded for each State, Territory, and the Commonwealth during the years specified. It should be observed that changes brought about by awards and agreements under the Commonwealth Conciliation and Arbitration Act, Arbitration (Public Service) Act, and Industrial Peace Act, are necessarily included hereunder as changes in each State to which such awards and agreements apply. The total net amount of increase per week, as tabulated, is subject to the qualifications mentioned in the fourth paragraph of the preceding sub-section. The average increase per head per week is computed to the nearest penny.

**Changes in Rates of Wage.—Number and Effect of Changes in each State and Territory, 1913 to 1920.**

| Particulars.                          | N.S.W. | Vic.       | Q'land.   | S.A.      | W.A.      | Tas.       | N.T.      | *All States. | C'wealth        |
|---------------------------------------|--------|------------|-----------|-----------|-----------|------------|-----------|--------------|-----------------|
| No. of Changes                        | 1913   | 149        | 81        | 41        | 26        | 20         | 12        | ..           | 329             |
|                                       | 1914   | 185        | 69        | 50        | 18        | 42         | 19        | ..           | 384             |
|                                       | 1915   | 169        | 87        | 60        | 31        | 25         | 24        | 3            | 401             |
|                                       | 1916   | †381       | 168       | 134       | 98        | 42         | 37        | 4            | 870             |
|                                       | 1917   | 201        | 106       | 142       | 78        | 55         | 38        | 16           | 1 637           |
|                                       | 1918   | 229        | 201       | 236       | 113       | 63         | 46        | 4            | 896             |
|                                       | 1919   | 457        | 218       | 216       | 136       | 112        | 128       | 13           | 4 1,284         |
|                                       | 1920   | 734        | 354       | 300       | 231       | 209        | 154       | 7            | 10 1,999        |
| No. of Persons Affected               | 1913   | 89,618     | 49,254    | 16,645    | 4,574     | 3,036      | 3,005     | ..           | 166 132         |
|                                       | 1914   | 56,469     | 29,876    | 20,198    | 5,624     | 8,399      | 4,262     | ..           | 390 125,218     |
|                                       | 1915   | 109,260    | 39,087    | 22,864    | 10,206    | 2,661      | 3,147     | 185          | 10,000 197,410  |
|                                       | 1916   | 242,721    | 119,878   | 72,079    | 40,925    | 5,848      | 7,232     | 258          | 3,546 492,487   |
|                                       | 1917   | 101,158    | 68,272    | 72,843    | 20,209    | 12,997     | 5,288     | 1,143        | 11,000 292,910  |
|                                       | 1918   | 146,399    | 110,027   | 74,174    | 16,239    | 9,871      | 3,631     | 624          | 616 361,581     |
|                                       | 1919   | 280,031    | 125,693   | 116,627   | 35,377    | 26,673     | 16,108    | 1,287        | 2,095 603,891   |
|                                       | 1920   | 454,610    | 258,211   | 145,464   | 76,605    | 55,489     | 28,317    | 703          | 7,887 1027,286  |
| Total Net Amount of Increase per Week | 1913   | £ 21,789   | £ 9,880   | £ 3,702   | £ 1,279   | £ 428      | £ 635     | ..           | £ 37,713        |
|                                       | 1914   | £ 13,558   | £ 6,688   | £ 5,128   | £ 1,941   | £ 2,423    | £ 804     | ..           | £ 143 30,685    |
|                                       | 1915   | £ 29,525   | £ 8,078   | £ 6,398   | £ 3,539   | £ 562      | £ 778     | 87           | £ 2,938 51,905  |
|                                       | 1916   | £ 56,875   | £ 30,566  | £ 40,451  | £ 9,930   | £ 1,440    | £ 1,980   | 88           | £ 1,593 142,923 |
|                                       | 1917   | £ 28,896   | £ 15,129  | £ 20,083  | £ 6,070   | £ 3,407    | £ 1,987   | 635          | £ 4,800 81,007  |
|                                       | 1918   | £ 32,194   | £ 25,514  | £ 19,699  | £ 3,885   | £ 2,133    | £ 1,323   | 273          | £ 239 85,260    |
|                                       | 1919   | £ 187,642  | £ 43,930  | £ 43,718  | £ 11,989  | £ 10,249   | £ 7,350   | 618          | £ 949 256,445   |
|                                       | 1920   | £ 228,186  | £ 119,706 | £ 69,748  | £ 30,316  | £ 25,195   | £ 14,593  | 684          | £ 6,280 494,708 |
| Average Increase per Head per Week    | 1913   | s. d. 4 10 | s. d. 4 0 | s. d. 4 5 | s. d. 5 7 | s. d. 2 10 | s. d. 4 3 | ..           | s. d. 4 6       |
|                                       | 1914   | 4 10       | 4 6       | 5 1       | 6 11      | 5 9        | 3 9       | ..           | 7 4 4 11        |
|                                       | 1915   | 5 5        | 4 2       | 5 7       | 6 11      | 4 3        | 4 11      | 9 5          | 5 11 5 3        |
|                                       | 1916   | 4 8        | 5 1       | 11 3      | 4 10      | 4 11       | 5 6       | 6 10         | 9 0 5 10        |
|                                       | 1917   | 5 9        | 4 5       | 5 6       | 6 0       | 5 3        | 7 6       | 11 1         | 8 9 5 6         |
|                                       | 1918   | 4 5        | 4 8       | 5 4       | 4 9       | 4 4        | 7 3       | 8 9          | 7 9 4 9         |
|                                       | 1919   | 9 10       | 7 0       | 7 6       | 6 9       | 7 8        | 9 2       | 9 7          | 9 1 3 6         |
|                                       | 1920   | 10 0       | 9 3       | 9 7       | 7 11      | 9 1        | 10 4      | 19 6         | 15 11 9 8       |

\* Changes recorded in this column are common to all States, as the particulars relating to the number of workpeople affected and the net amount of increase per week in each State were not ascertainable. † Including four changes which affected 157 workpeople in the Federal Capital Territory.

In point of number of changes in each State, New South Wales was first, Victoria second; and Queensland third, in each of the years 1913 to 1916. During the year 1917 the number of changes in Queensland exceeded the number recorded in Victoria, while during the year 1918, the number of changes in Queensland was greater than the number

recorded as having taken place in New South Wales. In the year 1919 the number of changes recorded for New South Wales was greatly in excess of the number for any other State. The upward movement of wages during the year 1920 is shewn by the exceptionally large number of changes which were recorded. In all States the number of changes is greatly in excess of those for any previous year. The relative position of the States in point of the numbers of changes effected, and also in regard to the numbers of workers affected in each year depends, of course, largely on differences in population and on the magnitude of the different industries and callings in which changes took place.

Included in the particulars contained in the foregoing table are those relating to five decreases during the year 1914, seven during the year 1915, eight during the year 1916, eleven during the year 1917, four during the year 1918, six during the year 1919, and eleven during the year 1920. The six decreases in rates in 1919 affected 4293 work-people to the extent of £886 per week. Three decreases were recorded in Queensland, two in South Australia and one in Victoria. The most important of these decreases affected metalliferous miners at Moonta and Wallaroo, South Australia, and at Mount Morgan, Queensland, where wage agreements provided that the rates of wage should fluctuate according to the price of copper. In the other cases the reduced weekly wage was due to a reduction in the number of hours in the working week, without a corresponding (if any) increase in the hourly rate of pay, or to the result of appeals against recent awards or determinations, the effect of which had already been taken into the tabulations. Of the eleven decreases recorded during the year 1920, six occurred in New South Wales, four in Western Australia and one in Tasmania. The total number of workpeople affected by these changes was 2845, and the amount of decrease per week was £728. Of these eleven decreases, three were caused by reduction in the weekly rate of wage owing to the number of working hours per week being reduced without a corresponding increase in the hourly rate of wage; five were due to lower rates for unskilled workers and employees at certain ages being inserted in awards which previously specified flat rates; while the other decreases were caused by awards shewing lower rates of wage than the ruling or predominant rates which were being paid prior to the awards or determinations coming into force.

The number of changes in rates of wage during the year 1920 was 1999, which is the highest number recorded since the systematic collection of these particulars by the Bureau was instituted. It will be observed, also, that in addition to the number of separate changes being higher in the year 1920, the number of workpeople who were affected by changes in rates of wage during that year was considerably higher than the number affected during any previous year. The total net amount of increase per week was also higher than for any prior period.

The number of workpeople who were affected by changes in rates of wage during the year 1920 was 1,027,286, and the total net amount of increase per week was £494,708. The corresponding figures for the year 1919 were 603,891 workpeople and £256,445, net amount of increase per week. Only eleven decreases in rates of wage were recorded during 1920, so that 1988 of the changes recorded gave increased rates of pay. The number of workpeople affected by the eleven decreases was 2845.

The average increase per head per week during the year 1920 was 9s. 8d., as compared with 8s. 6d. during the previous year, 4s. 9d. during 1918, and 5s. 6d. during the year 1917.

3. Changes in Rates of Wage in Male and Female Occupations, Number and Effect of Changes in each State, 1913-1920.—Included in the changes in rates of wage recorded in the tables on pages 124 to 134 are those which in the whole or part thereof affected female occupations. Particulars in respect to these changes in so far as they relate to the numbers of male and female workers affected, etc., are set out hereunder for each State during the years 1913 to 1920 inclusive :—

**Changes in Rates of Wage.—Male and Female Occupations.—Effect of Changes in each State and Territory, 1913-1920.**

| Year. | N.S.W. | Vic. | Q'land. | S.A. | W.A. | Tas. | N.T. | All States.* | C'WLTH. |
|-------|--------|------|---------|------|------|------|------|--------------|---------|
|-------|--------|------|---------|------|------|------|------|--------------|---------|

**NUMBER OF MALE EMPLOYEES AFFECTED.**

| Year. | N.S.W.   | Vic.    | Q'land. | S.A.   | W.A.   | Tas.   | N.T.  | All States.* | C'WLTH. |
|-------|----------|---------|---------|--------|--------|--------|-------|--------------|---------|
| 1913  | 83,470   | 44,692  | 16,095  | 3,616  | 3,036  | 1,525  | ..    | ..           | 152,434 |
| 1914  | 48,773   | 25,644  | 19,628  | 5,624  | 7,616  | 4,232  | ..    | 390          | 111,907 |
| 1915  | 97,672   | 36,022  | 21,831  | 9,807  | 2,588  | 2,787  | 185   | 10,000       | 180,892 |
| 1916  | †225,806 | 99,667  | 68,125  | 39,586 | 5,669  | 6,885  | 249   | 3,546        | 449,533 |
| 1917  | 82,601   | 48,136  | 63,066  | 16,844 | 12,788 | 4,759  | 1,143 | 11,000       | 240,337 |
| 1918  | 128,728  | 91,857  | 59,909  | 12,889 | 8,452  | 3,487  | 624   | 616          | 306,562 |
| 1919  | 253,077  | 106,389 | 99,167  | 32,162 | 24,185 | 13,906 | 1,287 | 2,025        | 532,198 |
| 1920  | 385,118  | 202,972 | 126,306 | 66,824 | 48,088 | 24,213 | 703   | 7,812        | 862,036 |

**NET AMOUNT OF INCREASE PER WEEK TO MALE EMPLOYEES.**

| Year. | £       | £      | £      | £      | £      | £      | £   | £     | £       |
|-------|---------|--------|--------|--------|--------|--------|-----|-------|---------|
| 1913  | 20,682  | 9,317  | 3,647  | 1,127  | 428    | 512    | ..  | ..    | 35,713  |
| 1914  | 12,158  | 6,146  | 5,055  | 1,941  | 2,157  | 797    | ..  | 143   | 28,397  |
| 1915  | 26,975  | 7,572  | 6,250  | 3,431  | 545    | 730    | 87  | 2,938 | 48,528  |
| 1916  | 53,395  | 26,877 | 39,874 | 9,774  | 1,414  | 1,937  | 82  | 1,593 | 134,946 |
| 1917  | 25,773  | 11,080 | 17,106 | 5,244  | 3,329  | 1,878  | 635 | 4,800 | 69,845  |
| 1918  | 29,410  | 22,574 | 16,186 | 3,311  | 1,889  | 1,284  | 273 | 239   | 75,166  |
| 1919  | 132,237 | 38,115 | 38,200 | 10,690 | 9,560  | 6,560  | 618 | 920   | 236,900 |
| 1920  | 207,403 | 98,778 | 63,432 | 27,498 | 22,157 | 13,105 | 684 | 6,192 | 439,249 |

**AVERAGE INCREASE PER HEAD PER WEEK TO MALE EMPLOYEES.**

| Year. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1913  | 4 11  | 4 2   | 4 6   | 6 3   | 2 10  | 6 9   | ..    | ..    | 4 8   |
| 1914  | 5 0   | 4 10  | 5 2   | 6 11  | 5 8   | 3 9   | ..    | 7 4   | 5 1   |
| 1915  | 5 6   | 4 2   | 5 9   | 7 0   | 4 3   | 5 3   | 9 5   | 5 11  | 5 4   |
| 1916  | 4 9   | 5 5   | 11 8  | 4 11  | 5 0   | 5 8   | 6 7   | 9 0   | 6 0   |
| 1917  | 6 3   | 5 7   | 5 5   | 6 3   | 5 2   | 7 11  | 11 1  | 8 9   | 5 10  |
| 1918  | 4 7   | 4 11  | 5 5   | 5 2   | 4 6   | 7 4   | 8 9   | 7 9   | 4 11  |
| 1919  | 10 5  | 7 2   | 7 8   | 6 8   | 7 11  | 9 5   | 9 7   | 9 1   | 8 11  |
| 1920  | 10 9  | 9 9   | 10 1  | 8 3   | 9 3   | 10 10 | 19 6  | 15 10 | 10 2  |

\* Changes recorded in this column are common to all States as the particulars relating to number of workpeople affected and the net amount of increase per week in each State were not ascertainable. † Including 4 changes which affected 157 workpeople in the Federal Capital Territory.

Changes in Rates of Wage.—Male and Female Occupations.—Effect of Changes in each State and Territory, 1913-20—*cont.*

| Year. | N.S.W. | Vic. | Q'land. | S.A. | W.A. | Tas. | N.T. | All States.* | C'wlth. |
|-------|--------|------|---------|------|------|------|------|--------------|---------|
|-------|--------|------|---------|------|------|------|------|--------------|---------|

NUMBER OF FEMALE EMPLOYEES AFFECTED.

|      |        |        |        |       |       |       |    |    |         |
|------|--------|--------|--------|-------|-------|-------|----|----|---------|
| 1913 | 6,148  | 4,562  | 550    | 958   | ..    | 1,480 | .. | .. | 13,698  |
| 1914 | 7,696  | 4,232  | 570    | ..    | 783   | 30    | .. | .. | 13,311  |
| 1915 | 11,588 | 3,065  | 1,033  | 399   | 73    | 360   | .. | .. | 16,518  |
| 1916 | 16,915 | 20,211 | 3,954  | 1,339 | 179   | 347   | 9  | .. | 42,954  |
| 1917 | 18,557 | 20,136 | 9,777  | 3,365 | 209   | 529   | .. | .. | 52,573  |
| 1918 | 17,671 | 18,170 | 14,265 | 3,350 | 1,419 | 144   | .. | .. | 55,019  |
| 1919 | 26,954 | 19,304 | 17,460 | 3,215 | 2,488 | 2,202 | .. | 70 | 71,693  |
| 1920 | 69,492 | 55,239 | 19,158 | 9,781 | 7,401 | 4,104 | .. | 75 | 165,250 |

NET AMOUNT OF INCREASE PER WEEK TO FEMALE EMPLOYEES.

|      | £      | £      | £     | £     | £     | £     | £  | £  | £      |
|------|--------|--------|-------|-------|-------|-------|----|----|--------|
| 1913 | 1,107  | 563    | 55    | 152   | ..    | 123   | .. | .. | 2,000  |
| 1914 | 1,400  | 542    | 73    | ..    | 266   | 7     | .. | .. | 2,288  |
| 1915 | 2,550  | 506    | 148   | 108   | 17    | 48    | .. | .. | 3,377  |
| 1916 | 3,480  | 3,689  | 577   | 156   | 26    | 43    | 6  | .. | 7,977  |
| 1917 | 3,123  | 4,049  | 2,977 | 826   | 78    | 109   | .. | .. | 11,162 |
| 1918 | 2,784  | 2,940  | 3,513 | 574   | 244   | 39    | .. | .. | 10,094 |
| 1919 | 5,405  | 5,815  | 5,518 | 1,299 | 689   | 790   | .. | 29 | 19,545 |
| 1920 | 20,783 | 20,928 | 6,316 | 2,818 | 3,038 | 1,488 | .. | 88 | 55,459 |

AVERAGE INCREASE PER HEAD PER WEEK TO FEMALE EMPLOYEES.

|      | s. | d. | s. | d. | s. | d. | s. | d. | s. | d. | s. | d. | s. | d. | s. | d. |   |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 1913 | 3  | 7  | 2  | 6  | 2  | 0  | 3  | 2  | .. | 1  | 8  | .. | .. | .. | 2  | 11 |   |
| 1914 | 3  | 8  | 2  | 7  | 2  | 7  | .. | .. | 6  | 9  | 4  | 8  | .. | .. | 3  | 5  |   |
| 1915 | 4  | 5  | 3  | 4  | 2  | 10 | 5  | 5  | 4  | 8  | 2  | 8  | .. | .. | 4  | 1  |   |
| 1916 | 4  | 1  | 3  | 8  | 2  | 11 | 2  | 4  | 2  | 11 | 2  | 6  | 13 | 4  | .. | 3  | 9 |
| 1917 | 3  | 4  | 4  | 0  | 6  | 1  | 4  | 11 | 7  | 6  | 4  | 1  | .. | .. | 4  | 3  |   |
| 1918 | 3  | 2  | 3  | 3  | 4  | 11 | 3  | 5  | 3  | 5  | 5  | 5  | .. | .. | 3  | 8  |   |
| 1919 | 4  | 0  | 6  | 0  | 6  | 4  | 8  | 1  | 5  | 6  | 7  | 2  | .. | .. | 8  | 3  |   |
| 1920 | 6  | 0  | 7  | 7  | 6  | 7  | 5  | 9  | 8  | 3  | 7  | 3  | .. | .. | 23 | 6  |   |

\* See footnote on preceding page.

4. Number and Effect of Changes in Rates of Wage in each State, Classified according to Industrial Groups, 1920.—(i.) *Changes in Rates of Wage according to Industrial Groups, 1920.*—In the following table particulars are given as to the number and effect of changes in rates of wage in 1920, in each State, classified according to the fourteen industrial groups adopted by this Bureau for the classification of current rates of wage, industrial disputes, etc. Particulars concerning changes in rates of wage during the year 1913, and subsequent years to 1919, classified according to industrial groups, were published in Labour Reports Nos. 5 to 10.

# Changes in Rates of Wage, Number and Effect of Changes in each State and Territory, classified according to Industrial Groups, 1920.

| Particulars.                  | INDUSTRIAL GROUP.                |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      | ALL GROUPS. |
|-------------------------------|----------------------------------|------------------------------------|---------------------------------|---------------------------------|--------------------------|--------------------------|----------------|-----------------------------|-----------------------------|--------------------------|--------------------|---------------------|------------------------------|----------------------|-------------|
|                               | I. Wood, Furniture, Timber, etc. | II. Engineering, Metal Works, etc. | III. Food, Drink, Tobacco, etc. | IV. Clothing, Hats, Boots, etc. | V. Books, Printing, etc. | VI. Other Manufacturing. | VII. Building. | VIII. Mines, Quarries, etc. | IX. Rail and Tram Services. | X. Other Land Transport. | XI. Shipping, etc. | XII. Pastoral, etc. | XIII. Domestic, Hotels, etc. | XIV. Miscellaneous.* |             |
| <b>New South Wales—</b>       |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | 19                               | 55                                 | 83                              | 19                              | 42                       | 109                      | 29             | 23                          | 35                          | 33                       | 33                 | 4                   | 20                           | 230                  | 734         |
| Number of Persons affected .. | 10,101                           | 36,814                             | 36,764                          | 15,895                          | 7,330                    | 36,875                   | 34,565         | 24,445                      | 46,418                      | 12,963                   | 5,339              | 3,700               | 17,655                       | 165,746              | 454,610     |
| Amount of Increase per week £ | 6,083                            | 15,280                             | 19,804                          | 6,123                           | 4,064                    | 16,006                   | 24,687         | 19,766                      | 19,795                      | 5,116                    | 3,142              | 2,440               | 5,403                        | 80,477               | 228,186     |
| <b>Victoria—</b>              |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | 16                               | 28                                 | 62                              | 13                              | 15                       | 62                       | 13             | 4                           | 9                           | 6                        | 5                  | 8                   | 6                            | 107                  | 354         |
| Number of Persons affected .. | 11,410                           | 24,728                             | 25,476                          | 31,176                          | 6,760                    | 24,118                   | 10,852         | 4,270                       | 27,307                      | 8,820                    | 1,095              | 4,896               | 5,275                        | 72,028               | 258,211     |
| Amount of Increase per week £ | 4,874                            | 8,765                              | 11,342                          | 11,723                          | 3,915                    | 10,187                   | 8,383          | 2,885                       | 10,473                      | 3,519                    | 731                | 1,383               | 3,027                        | 38,499               | 119,706     |
| <b>Queensland—</b>            |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | 12                               | 12                                 | 31                              | 10                              | 12                       | 32                       | 15             | 10                          | 8                           | 5                        | 9                  | 4                   | 14                           | 126                  | 300         |
| Number of Persons affected .. | 7,514                            | 7,181                              | 9,573                           | 3,466                           | 2,188                    | 3,101                    | 10,441         | 5,835                       | 31,877                      | 2,189                    | 571                | 15,500              | 6,422                        | 39,606               | 145,464     |
| Amount of Increase per week £ | 1,992                            | 2,091                              | 5,962                           | 1,464                           | 1,351                    | 1,930                    | 4,786          | 3,279                       | 10,110                      | 1,124                    | 314                | 15,329              | 1,893                        | 18,123               | 69,748      |
| <b>South Australia—</b>       |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | 5                                | 18                                 | 25                              | 4                               | 5                        | 30                       | 8              | 8                           | 17                          | 2                        | 13                 | 3                   | 8                            | 85                   | 231         |
| Number of Persons affected .. | 2,280                            | 3,976                              | 2,944                           | 2,575                           | 2,390                    | 5,120                    | 2,490          | 4,994                       | 20,126                      | 1,700                    | 985                | 1,624               | 2,095                        | 23,806               | 76,605      |
| Amount of Increase per week £ | 988                              | 1,864                              | 1,119                           | 970                             | 911                      | 1,870                    | 1,196          | 1,349                       | 7,782                       | 638                      | 612                | 516                 | 494                          | 10,007               | 30,316      |
| <b>Western Australia—</b>     |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | 13                               | 5                                  | 23                              | 5                               | 7                        | 18                       | 9              | 10                          | 12                          | 2                        | 6                  | 1                   | 5                            | 93                   | 209         |
| Number of Persons affected .. | 10,573                           | 1,199                              | 2,896                           | 1,356                           | 632                      | 1,424                    | 1,669          | 5,501                       | 9,165                       | 1,300                    | 328                | 200                 | 2,188                        | 17,058               | 55,489      |
| Amount of Increase per week £ | 3,151                            | 758                                | 1,591                           | 650                             | 443                      | 677                      | 1,153          | 1,949                       | 5,664                       | 555                      | 233                | 180                 | 1,076                        | 7,115                | 25,195      |
| <b>Tasmania—</b>              |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | 6                                | 5                                  | 18                              | 5                               | 2                        | 9                        | 7              | 11                          | 5                           | 4                        | 5                  | 1                   | 2                            | 74                   | 154         |
| Number of Persons affected .. | 2,854                            | 955                                | 3,905                           | 877                             | 457                      | 1,033                    | 1,515          | 2,820                       | 1,891                       | 1,560                    | 562                | 500                 | 650                          | 8,738                | 28,317      |
| Amount of Increase per week £ | 1,927                            | 387                                | 1,194                           | 341                             | 404                      | 456                      | 838            | 1,157                       | 1,078                       | 653                      | 456                | 771                 | 365                          | 4,566                | 14,593      |
| <b>Northern Territory—</b>    |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | ..                               | ..                                 | 1                               | ..                              | ..                       | ..                       | 1              | ..                          | 1                           | ..                       | 1                  | 1                   | ..                           | 2                    | 7           |
| Number of Persons affected .. | ..                               | ..                                 | 318                             | ..                              | ..                       | ..                       | 20             | ..                          | 70                          | ..                       | 75                 | 160                 | ..                           | 60                   | 703         |
| Amount of Increase per week £ | ..                               | ..                                 | 371                             | ..                              | ..                       | ..                       | 16             | ..                          | 57                          | ..                       | 103                | 82                  | ..                           | 55                   | 684         |
| <b>All States—</b>            |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | ..                               | ..                                 | ..                              | ..                              | ..                       | ..                       | ..             | ..                          | ..                          | ..                       | 10                 | ..                  | ..                           | ..                   | 10          |
| Number of Persons affected .. | ..                               | ..                                 | ..                              | ..                              | ..                       | ..                       | ..             | ..                          | ..                          | ..                       | 7,887              | ..                  | ..                           | ..                   | 7,887       |
| Amount of Increase per week £ | ..                               | ..                                 | ..                              | ..                              | ..                       | ..                       | ..             | ..                          | ..                          | ..                       | 6,280              | ..                  | ..                           | ..                   | 6,280       |
| <b>Commonwealth—</b>          |                                  |                                    |                                 |                                 |                          |                          |                |                             |                             |                          |                    |                     |                              |                      |             |
| Number of Changes .. ..       | †68                              | 123                                | †241                            | 56                              | 83                       | †245                     | 82             | †61                         | †82                         | 52                       | †76                | †19                 | 55                           | †481                 | †1,724      |
| Number of Persons affected .. | 44,732                           | 74,853                             | 81,876                          | 55,345                          | 19,757                   | 71,671                   | 61,552         | 47,865                      | 136,854                     | 28,532                   | 16,842             | 26,580              | 34,285                       | 326,542              | 1,027,286   |
| Amount of Increase per week £ | 19,015                           | 29,145                             | 41,383                          | 21,271                          | 11,088                   | 31,126                   | 41,059         | 30,385                      | 54,959                      | 11,605                   | 11,871             | 20,701              | 12,258                       | 158,842              | 494,708     |

\* Miscellaneous (Group XIV.) includes Commonwealth and State Public Servants, clerks, shop assistants, theatrical employees, and others.

† See paragraph on page 129.

‡ Including particulars of changes which involved decreases in rates of wage.



It should be observed that industrial awards made, and agreements filed, under the provisions of the Commonwealth Conciliation and Arbitration Act, the Arbitration (Public Service) Act, and Industrial Peace Act, which extend in their operation to more than one State, are counted as a change in each State affected. This is necessary in order that the total number of changes in each State may be obtained. The particulars for the whole Commonwealth, however, record each award and agreement once only. For example, an award affecting a section of the Commonwealth Public Service is operative in each State, and is accordingly included in the State table as a change in each State, but in the total for the Commonwealth the award is recorded as one change only. The totals of the changes recorded as operating in each State are, therefore, in some cases in excess of the totals given for the Commonwealth. On the other hand an award or agreement affecting marine engineers, cooks or stewards, where the persons affected are not working solely in any one State, the award or agreement is not recorded as a change operating in each State, but is added to the number of changes for all States.

The total number of changes during the year 1920, according to State distribution, was 1999, but on classifying the changes according to occupation and industry, and taking into consideration the fact that awards and agreements made and filed under the provisions of the Acts mentioned in the preceding paragraph cover, in the majority of cases, more than one State, the number of separate changes was reduced to 1724. Of this number no less than 481 changes affected workpeople engaged in occupations and industries classified in Group XIV.\* (Miscellaneous). The number of employees who were affected by these changes was 326,542, and the amount of increase per week in wages was £158,842. Eighty-two changes, affecting 136,854 workpeople, were classified in Group IX. (Railway and Tramway Services); 241 changes affecting 81,876 employees were classified in Group III. (Food, Drink, etc.), while the groups next in order according to workpeople affected were:—Groups II. (Engineering, Metal Works, etc.), with 123 changes, affecting 74,853 workpeople; Group VI. (Other Manufacturing), with 245 changes, affecting 71,671 workpeople; Group VII. (Building), with 82 changes, affecting 61,552 workpeople; Group IV. (Clothing, Hats, Boots, etc.), with 56 changes, affecting 55,345 workpeople; Group VIII. (Mining, etc.), with 61 changes, affecting 47,865 workpeople, and Group I. (Wood, Furniture, Timber, etc.), with 68 changes, affecting 44,732 workpeople.

(ii.) *Changes in Rates of Wage in Female Occupations according to Industrial Groups, 1920.*—The particulars set out in the immediately preceding table shew the total number of workpeople (male and female) affected by changes in rates of wage. In the following table the number of female employees is shewn, classified according to the industrial groups in which the changes took place in each State during the year 1920. Similar information for the years 1913 to 1919 was published in Labour Reports Nos. 5 to 10.

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\* See footnote \* page 128.

**Changes in Rates of Wage.—Female Occupations in each State classified according to Industrial Groups, 1920.**

| PARTICULARS.                  | INDUSTRIAL GROUP.              |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
|-------------------------------|--------------------------------|--|---------------------------|---------------------------------------|--------------------------------|----------------------------------|--------------------------------|-----------------------|------------------------|------------------------------------|------------------------|-------------|--|
|                               | I.<br>Wood, Furniture,<br>etc. | II.<br>Engineering,<br>Metal Works, etc. | III.<br>Food, Drink, etc. | IV.<br>Clothing, Hats,<br>Boots, etc. | V.<br>Books, Printing,<br>etc. | VI.<br>Other Manu-<br>facturing. | IX.—Rail and<br>Tram Services. | XI.<br>Shipping, etc. | XII.<br>Pastoral, etc. | XIII.<br>Domestic, Hotels,<br>etc. | XIV.<br>Miscellaneous. | All Groups. |  |
| <b>New South Wales—</b>       |                                |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
| Number of Persons affected    | 100                            | 37                                       | 3,303                     | 10,301                                | 1,529                          | 1,764                            | 64                             | ..                    | 300                    | 12,617                             | 39,477                 | 69,492      |  |
| Amount of Increase per week £ | 30                             | 21                                       | 1,157                     | 2,255                                 | 823                            | 433                              | 18                             | ..                    | 45                     | 3,035                              | 12,966                 | 20,783      |  |
| <b>Victoria—</b>              |                                |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
| Number of Persons affected    | 250                            | 12                                       | 4,540                     | 23,441                                | 2,432                          | 2,744                            | 8                              | ..                    | 500                    | 2,650                              | 18,662                 | 55,239      |  |
| Amount of Increase per week £ | 66                             | 3  | 1,208                     | 7,928                                 | 1,201                          | 766                              | 2                              | ..                    | 75                     | 1,287                              | 8,392                  | 20,928      |  |
| <b>Queensland—</b>            |                                |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
| Number of Persons affected    | 70                             | ..                                       | 966                       | 2,740                                 | 601                            | 155                              | 159                            | ..                    | ..                     | 4,430                              | 10,037                 | 19,158      |  |
| Amount of Increase per week £ | 25                             | ..                                       | 261                       | 1,014                                 | 214                            | 89                               | 58                             | ..                    | ..                     | 1,067                              | 3,585                  | 6,316       |  |
| <b>South Australia—</b>       |                                |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
| Number of Persons affected    | 20                             | 50                                       | 311                       | 2,320                                 | 740                            | 182                              | 35                             | ..                    | 200                    | 1,654                              | 4,269                  | 9,781       |  |
| Amount of Increase per week £ | 6                              | 6  | 48                        | 761                                   | 201                            | 49                               | 4                              | ..                    | 30                     | 328                                | 1,385                  | 2,818       |  |
| <b>Western Australia—</b>     |                                |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
| Number of Persons affected    | 20                             | ..                                       | 45                        | 1,207                                 | 130                            | 25                               | 11                             | ..                    | ..                     | 1,338                              | 4,625                  | 7,401       |  |
| Amount of Increase per week £ | 5                              | ..                                       | 11                        | 510                                   | 33                             | 13                               | 7                              | ..                    | ..                     | 662                                | 1,797                  | 3,038       |  |
| <b>Tasmania—</b>              |                                |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
| Number of Persons affected    | 35                             | ..                                       | 590                       | 673                                   | 96                             | 31                               | 57                             | 20                    | ..                     | 200                                | 2,402                  | 4,104       |  |
| Amount of Increase per week £ | 9                              | ..                                       | 124                       | 189                                   | 63                             | 14                               | 16                             | 11                    | ..                     | 107                                | 955                    | 1,488       |  |
| <b>All States—</b>            |                                |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
| Number of Persons affected    | ..                             | ..                                       | ..                        | ..                                    | ..                             | ..                               | ..                             | 75                    | ..                     | ..                                 | ..                     | 75          |  |
| Amount of Increase per week £ | ..                             | ..                                       | ..                        | ..                                    | ..                             | ..                               | ..                             | 88                    | ..                     | ..                                 | ..                     | 88          |  |
| <b>Commonwealth—</b>          |                                |  |                           |                                       |                                |                                  |                                |                       |                        |                                    |                        |             |  |
| Number of Persons affected    | 495                            | 99                                       | 9,755                     | 40,682                                | 5,528                          | 4,901                            | 334                            | 95                    | 1000                   | 22,889                             | 79,472                 | 165,250     |  |
| Amount of Increase per week £ | 141                            | 20                                       | 2,812                     | 12,657                                | 2,535                          | 1,364                            | 105                            | 99                    | 150                    | 6,486                              | 29,080                 | 55,459      |  |

It will be seen from the above table that 165,250 female employees were affected by changes in rates of wage during the twelve months under review. The total net amount of increase per week received by these employees was £55,459. In Victoria 55,239 females received increased wages during the year, as compared with 69,492 in New South Wales, 19,158 in Queensland, and 9781 in South Australia. Employees engaged in the manufacture of clothing, hats, boots, etc. (Group IV.), to the number of 40,682, were granted higher rates of pay during the year. The group in which the largest number of females who were affected by changes in rates of wage was Group XIV. (Miscellaneous),\* no less than 79,472 employees being classified under this heading.

(iii.) *Changes in Rates of Wage in the Commonwealth, classified according to Industrial Groups, 1913-1920.*—In the following table, particulars are shewn relating to the number of changes, number of work-people affected, and the total amount of increase per week resulting from such changes in the Commonwealth, classified according to industrial groups during the eight years 1913-1920. It must be borne in mind that the numbers of changes shewn in the following table are subject to the qualifications mentioned on page 129 in regard to the awards made and agreements filed under the provisions of the Commonwealth Conciliation and Arbitration Act, the Arbitration (Public Service) Act and the Industrial Peace Act.

\* See footnote \* page 128.

### 5. Changes in Rates of Wage classified according to Methods by which Effected, Commonwealth and States, 1913-1920 :—

(i.) *Changes in Rates of Wage and Methods by which effected, Commonwealth, 1913-1920.*—Comparative particulars are contained in the following table, of the total number and effect of all changes in rates of wage brought about throughout the Commonwealth during the years indicated, as a result of the application of one or other of the specified methods :—

#### Changes in Rates of Wage, according according to Methods by which Effected, Commonwealth, 1913-1920

| Particulars.                  | By Voluntary Action of Employers. | By Direct Negotiations. | By Negotiations, Intervention or Assistance of Third Party. | By Award of Court under C'wealth Act. | By Agreement Registered under C'wealth Act. | By Award or Determination under State Act | By Agreement Registered under State Act. | TOTAL *   |
|-------------------------------|-----------------------------------|-------------------------|---|---------------------------------------|---|---|--|-----------|
| <b>1913.</b>                  |                                   |                         |   |                                       |   |   |  |           |
| Number of Changes . . . . .   | 2                                 | 30                      | 4   | 3                                     | 24  | 213                                       | 36                                       | 312       |
| Number of Workpeople affected | 12,011                            | 4,336                   | 101   | 4,487                                 | 3,387                                       | 136,702                                   | 5,108                                    | 166,132   |
| Amount of Increase per week £ | 1,543                             | 1,120                   | 20  | 1,679                                 | 831   | 31,328                                    | 1,192                                    | 37,713    |
| <b>1914.</b>                  |                                   |                         |   |                                       |   |   |  |           |
| Number of Changes . . . . .   | 12                                | 57                      | 1   | 5                                     | 31  | 197                                       | 62                                       | 365       |
| Number of Workpeople affected | 3,042                             | 8,357                   | 60  | 21,412                                | 3,180                                       | 87,131                                    | 2,036                                    | 125,218   |
| Amount of Increase per week £ | 478                               | 2,503                   | 18  | 7,451                                 | 953   | 18,719                                    | 563                                      | 30,685    |
| <b>1915.</b>                  |                                   |                         |   |                                       |   |   |  |           |
| Number of Changes . . . . .   | 21                                | 63                      | 20  | 9                                     | 14  | 202                                       | 36                                       | 365       |
| Number of Workpeople affected | 17,727                            | 11,593                  | 2,587   | 16,386                                | 11,620                                      | 128,531                                   | 8,966                                    | 197,410   |
| Amount of Increase per week £ | 3,941                             | 2,872                   | 593   | 4,317                                 | 3,080                                       | 34,290                                    | 2,812                                    | 51,905    |
| <b>1916.</b>                  |                                   |                         |   |                                       |   |   |  |           |
| Number of Changes . . . . .   | 51                                | 175                     | 9   | 17                                    | 30  | 467                                       | 72                                       | 821       |
| Number of Workpeople affected | 55,560                            | 46,633                  | 4,984   | 40,978                                | 25,081                                      | 305,340                                   | 13,911                                   | 492,487   |
| Amount of Increase per week £ | 10,831                            | 12,114                  | 1,518   | 14,965                                | 6,800                                       | 94,005                                    | 2,690                                    | 142,923   |
| <b>1917.</b>                  |                                   |                         |   |                                       |   |   |  |           |
| Number of Changes . . . . .   | 24                                | 75                      | 14  | 35                                    | 28  | 310                                       | 88                                       | 574       |
| Number of Workpeople affected | 9,531                             | 15,827                  | 19,500  | 20,759                                | 16,443                                      | 198,723                                   | 12,127                                   | 292,910   |
| Amount of Increase per week £ | 3,097                             | 5,429                   | 10,996  | 7,654                                 | 5,579                                       | 44,477                                    | 3,775                                    | 81,007    |
| <b>1918.</b>                  |                                   |                         |   |                                       |   |   |  |           |
| Number of Changes . . . . .   | 14                                | 132                     | 3   | 39                                    | 142   | 354                                       | 95                                       | 779       |
| Number of Workpeople affected | 12,916                            | 43,428                  | 591   | 20,502                                | 6,764                                       | 270,777                                   | 6,603                                    | 361,581   |
| Amount of Increase per week £ | 2,396                             | 9,473                   | 334   | 4,481                                 | 1,683                                       | 64,642                                    | 2,251                                    | 85,260    |
| <b>1919.</b>                  |                                   |                         |   |                                       |   |   |  |           |
| Number of Changes . . . . .   | 36                                | 238                     | 29  | 42                                    | 141   | 582                                       | 100                                      | 1,168     |
| Number of Workpeople affected | 10,285                            | 84,535                  | 45,049  | 67,741                                | 27,244                                      | 337,625                                   | 31,412                                   | 603,891   |
| Amount of Increase per week £ | 4,373                             | 28,937                  | 24,233  | 29,584                                | 10,017                                      | 148,632                                   | 10,669                                   | 256,445   |
| <b>1920.</b>                  |                                   |                         |   |                                       |   |   |  |           |
| Number of Changes . . . . .   | 28                                | 333                     | 23  | 64                                    | 163   | 978                                       | 135                                      | 1,724     |
| Number of Workpeople affected | 15,193                            | 169,973                 | 64,691  | 75,048                                | 26,733                                      | 648,083                                   | 27,565                                   | 1,027,286 |
| Amount of Increase per week £ | 4,597                             | 85,469                  | 38,441  | 24,807                                | 11,603                                      | 315,728                                   | 14,058                                   | 494,708   |

\* In this table an Industrial Award or Agreement under the Commonwealth Conciliation and Arbitration Act, an Order of the War Precautions Coal Board, the Arbitration (Public Service) Act or the Industrial Peace Act, is counted as one change only, although such Award, Agreement or Order may be operative in more than one State. See also remarks on page 122 with respect to the inclusion of a number of Industrial Agreements filed under the provisions of the Commonwealth Act being recorded as a single change only.

It will be seen from the preceding table that, during each year for which particulars are furnished, the most frequent method by which changes in rates of wage were arranged was by award or determination under State Industrial Acts. Direct negotiations between employers and employees, or their representatives, were responsible for numerous changes during each of the years. Awards and agreements made and filed under the provisions of the Commonwealth Conciliation and Arbitration Act brought about large numbers of changes during the last four years. It

# Changes in Rates of Wage in the Commonwealth according to Industrial Groups, 1913-1920.

| Particulars.                  | INDUSTRIAL GROUP.                        |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
|-------------------------------|--|--|------------------------------------|------------------------------------|-----------------------------|-----------------------------|----------------|--------------------------------|-----------------------------------|----------------------------|-----------------------|------------------------|---------------------------------|--------------------------|-----------------|
|                               | I. Wood, Furni-<br>ture, Timber,<br>etc. | II. Engineering,<br>Metal Works,<br>etc. | III. Food, Drink,<br>Tobacco, etc. | IV. Clothing,<br>Hats, Boots, etc. | V. Books,<br>Printing, etc. | VI. Other<br>Manufacturing. | VII. Building. | VIII. Mines,<br>Quarries, etc. | IX. Rail and<br>Tram<br>Services. | X. Other Land<br>Transport | XI. Shipping,<br>etc. | XII. Pastoral,<br>etc. | XIII. Domestic,<br>Hotels, etc. | XIV. Miscellane-<br>ous. | ALL<br>GROUPS.* |
| <b>1913.</b>                  |  |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
| Number of Changes .. ..       | 10                                       | 20                                       | 45                                 | 15                                 | 11                          | 55                          | 21             | 17                             | 16                                | 12                         | 19                    | 3                      | 9                               | 59                       | 312             |
| Number of Persons affected .. | 7,975                                    | 6,594                                    | 17,428                             | 11,727                             | 4,602                       | 17,110                      | 19,237         | 6,112                          | 20,046                            | 7,335                      | 1,839                 | 828                    | 6,481                           | 38,818                   | 166,132         |
| Amount of Increase per week £ | 1,569                                    | 1,607                                    | 4,255                              | 2,062                              | 1,126                       | 3,480                       | 5,696          | 1,210                          | 3,219                             | 2,324                      | 543                   | 436                    | 1,922                           | 8,264                    | 37,713          |
| <b>1914.</b>                  |  |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
| Number of Changes .. ..       | 14                                       | 30                                       | 58                                 | 10                                 | 17                          | 41                          | 19             | 25                             | 15                                | 10                         | 26                    | 2                      | 4                               | 94                       | 365             |
| Number of Persons affected .. | 10,762                                   | 9,582                                    | 22,692                             | 14,970                             | 2,686                       | 9,061                       | 8,380          | 7,776                          | 5,313                             | 4,020                      | 16,758                | 590                    | 939                             | 11,689                   | 125,218         |
| Amount of Increase per week £ | 2,516                                    | 1,834                                    | 4,958                              | 2,461                              | 523                         | 2,181                       | 2,471          | 1,581                          | 1,334                             | 716                        | 6,933                 | 120                    | 188                             | 2,869                    | 30,685          |
| <b>1915.</b>                  |  |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
| Number of Changes .. ..       | 18                                       | 51                                       | 48                                 | 7                                  | 7                           | 61                          | 13             | 37                             | 19                                | 15                         | 21                    | 3                      | 11                              | 54                       | 365             |
| Number of Persons affected .. | 4,912                                    | 32,322                                   | 18,214                             | 1,023                              | 1,724                       | 15,451                      | 6,616          | 19,925                         | 27,140                            | 5,468                      | 13,154                | 2,300                  | 5,011                           | 44,150                   | 197,410         |
| Amount of Increase per week £ | 1,131                                    | 8,835                                    | 4,204                              | 339                                | 539                         | 2,921                       | 1,173          | 5,507                          | 4,629                             | 2,082                      | 3,702                 | 852                    | 1,095                           | 14,896                   | 51,905          |
| <b>1916.</b>                  |  |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
| Number of Changes .. ..       | 35                                       | 74                                       | 107                                | 21                                 | 27                          | 108                         | 37             | 63                             | 64                                | 31                         | 44                    | 11                     | 13                              | 186                      | 821             |
| Number of Persons affected .. | 16,111                                   | 27,412                                   | 38,171                             | 30,918                             | 10,210                      | 34,037                      | 37,536         | 63,308                         | 83,526                            | 19,232                     | 12,898                | 16,266                 | 9,882                           | 92,980                   | 492,487         |
| Amount of Increase per week £ | 4,255                                    | 6,894                                    | 16,383                             | 6,858                              | 2,270                       | 9,172                       | 12,400         | 17,827                         | 17,450                            | 5,282                      | 3,411                 | 16,858                 | 2,016                           | 21,847                   | 142,923         |
| <b>1917.</b>                  |  |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
| Number of Changes .. ..       | 14                                       | 60                                       | 66                                 | 21                                 | 31                          | 53                          | 38             | 28                             | 50                                | 19                         | 25                    | 10                     | 15                              | 144                      | 574             |
| Number of Persons affected .. | 10,495                                   | 16,994                                   | 30,515                             | 25,652                             | 6,386                       | 12,585                      | 11,426         | 25,022                         | 37,264                            | 10,261                     | 12,613                | 3,440                  | 15,359                          | 74,898                   | 292,910         |
| Amount of Increase per week £ | 2,568                                    | 3,394                                    | 2,015                              | 6,104                              | 1,981                       | 4,046                       | 3,477          | 12,544                         | 12,711                            | 3,054                      | 5,629                 | 1,096                  | 3,720                           | 18,668                   | 81,007          |
| <b>1918.</b>                  |  |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
| Number of Changes .. ..       | 61                                       | 42                                       | 93                                 | 26                                 | 24                          | 78                          | 30             | 25                             | 38                                | 25                         | 38                    | 6                      | 23                              | 270                      | 779             |
| Number of Persons affected .. | 14,651                                   | 31,804                                   | 32,411                             | 23,215                             | 8,707                       | 15,160                      | 17,419         | 14,285                         | 59,625                            | 12,782                     | 1,990                 | 1,717                  | 9,230                           | 118,585                  | 361,581         |
| Amount of Increase per week £ | 4,343                                    | 10,565                                   | 9,025                              | 5,252                              | 1,804                       | 3,944                       | 5,420          | 2,988                          | 10,320                            | 2,185                      | 719                   | 350                    | 2,167                           | 26,178                   | 85,260          |
| <b>1919.</b>                  |  |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
| Number of Changes .. ..       | 39                                       | 89                                       | 156                                | 31                                 | 41                          | 138                         | 42             | 29                             | 74                                | 37                         | 59                    | 11                     | 49                              | 373                      | 1,168           |
| Number of Persons affected .. | 13,616                                   | 44,133                                   | 72,603                             | 26,905                             | 9,335                       | 50,530                      | 19,053         | 34,501                         | 114,365                           | 20,871                     | 34,294                | 9,030                  | 25,799                          | 128,856                  | 603,891         |
| Amount of Increase per week £ | 4,890                                    | 20,381                                   | 23,551                             | 11,308                             | 4,449                       | 17,829                      | 8,941          | 17,434                         | 56,872                            | 8,701                      | 18,168                | 5,739                  | 7,620                           | 50,562                   | 256,445         |
| <b>1920.</b>                  |  |  |                                    |                                    |                             |                             |                |                                |                                   |                            |                       |                        |                                 |                          |                 |
| Number of Changes .. ..       | 68                                       | 123                                      | 241                                | 56                                 | 83                          | 245                         | 82             | 61                             | 82                                | 52                         | 76                    | 19                     | 55                              | 481                      | 1,724           |
| Number of Persons affected .. | 44,732                                   | 74,853                                   | 81,876                             | 55,345                             | 19,757                      | 71,671                      | 61,552         | 47,865                         | 106,854                           | 28,532                     | 16,842                | 26,580                 | 34,285                          | 326,542                  | 1,027,286       |
| Amount of Increase per week £ | 19,015                                   | 29,145                                   | 41,383                             | 21,271                             | 11,088                      | 31,126                      | 41,059         | 30,385                         | 54,959                            | 11,605                     | 11,871                | 20,701                 | 12,258                          | 158,842                  | 494,708         |

\* In this table an Industrial Award or Agreement under the Commonwealth Conciliation and Arbitration Act, an Order of the War Precautions Coal Board, the Arbitration (Public Service) Act, or the Industrial Peace Act, is counted as one change only although such Award, Agreement, or Order may be operative in more than one State.

must be mentioned that, so far as possible, the effect of awards or agreements are recorded in the figures for the year in which such awards or agreements are made and filed. In certain cases, however, the awards or agreements are made retrospective to the date on which the increased rate of wage has to be paid, while in others the particulars as to the number of workpeople affected and the effect of the change are difficult to ascertain.

(ii.) *Changes in Rates of Wage and Methods by which Effected in each State and Territory, 1920.*—The following tables set out particulars of the results of all changes in rates of wage which were recorded for the year 1920, according to the method by which the changes were effected. The particulars relating to changes effected with or without a stoppage of work are given separately, and include those involving any decrease in rates of wage. For comparative information for the years 1913 to 1919 see Labour Reports, Nos. 5 to 10.

### Changes in Rates of Wage—Methods by which Effected, 1920.

| METHODS BY WHICH CHANGES WERE EFFECTED.                    | WITHOUT STOPPAGE OF WORK. |                              |  | AFTER STOPPAGE OF WORK. |                              |  | ALL CHANGES.    |                              |  |
|--|---------------------------|------------------------------|--|-------------------------|------------------------------|--|-----------------|------------------------------|--|
|  | No. of Changes.           | No. of Work-people Affected. | Total Net Amount of Increase per week. | No. of Changes.         | No. of Work-people Affected. | Total Net Amount of Increase per week. | No. of Changes. | No. of Work-people Affected. | Total Net Amount of Increase per week. |
| <b>New South Wales—</b>                                    |                           |                              | £                                      |                         |                              | £                                      |                 |                              | £                                      |
| By voluntary action of employers                           | 5                         | 646                          | 300                                    | ..                      | ..                           | ..                                     | 5               | 646                          | 300                                    |
| By direct negotiations                                     | 50                        | 34,042                       | 20,276                                 | 20                      | 2,21                         | 1,012                                  | 70              | 36,259                       | 21,288                                 |
| By negotiations, intervention or assistance of third party | 5                         | 18,696                       | 17,055                                 | 3                       | 687                          | 439                                    | 8               | 19,383                       | 17,494                                 |
| By award of court under Commonwealth Act                   | 47                        | 23,982                       | 8,059                                  | ..                      | ..                           | ..                                     | 47              | 23,982                       | 8,059                                  |
| By agreement registered under Commonwealth Act             | 61                        | 6,073                        | 3,498                                  | ..                      | ..                           | ..                                     | 61              | 6,073                        | 3,498                                  |
| By award under State Act                                   | 477                       | 349,998                      | 166,861                                | 1                       | 200                          | 70                                     | 478             | 350,198                      | 166,931                                |
| By agreement registered under State Act                    | 64                        | 18,004                       | 10,577                                 | 1                       | 65                           | 39                                     | 65              | 18,069                       | 10,616                                 |
| <b>TOTAL</b>   | <b>709</b>                | <b>451,441</b>               | <b>226,626</b>                         | <b>25</b>               | <b>3,169</b>                 | <b>1,560</b>                           | <b>734</b>      | <b>454,610</b>               | <b>228,186</b>                         |
| <b>Victoria—</b>   |                           |                              |  |                         |                              |  |                 |                              |  |
| By voluntary action of employers                           | 9                         | 3,924                        | 1,459                                  | ..                      | ..                           | ..                                     | 9               | 3,924                        | 1,459                                  |
| By direct negotiations                                     | 96                        | 78,711                       | 36,396                                 | 15                      | 5,205                        | 3,485                                  | 111             | 83,916                       | 39,881                                 |
| By negotiations, intervention or assistance of third party | 6                         | 23,017                       | 10,521                                 | 1                       | 1,120                        | 392                                    | 7               | 24,137                       | 10,913                                 |
| By award of court under Commonwealth Act                   | 52                        | 24,948                       | 7,733                                  | ..                      | ..                           | ..                                     | 52              | 24,948                       | 7,733                                  |
| By agreement registered under Commonwealth Act             | 60                        | 12,667                       | 4,510                                  | ..                      | ..                           | ..                                     | 60              | 12,667                       | 4,510                                  |
| By determination under State Act                           | 114                       | 108,319                      | 54,915                                 | 1                       | 300                          | 295                                    | 115             | 108,619                      | 55,210                                 |
| <b>TOTAL</b>   | <b>337</b>                | <b>251,586</b>               | <b>115,534</b>                         | <b>17</b>               | <b>6,625</b>                 | <b>4,172</b>                           | <b>354</b>      | <b>258,211</b>               | <b>119,706</b>                         |
| <b>Queensland—</b>   |                           |                              |  |                         |                              |  |                 |                              |  |
| By direct negotiations                                     | 16                        | 1,270                        | 618                                    | 4                       | 103                          | 38                                     | 20              | 1,373                        | 656                                    |
| By negotiations, intervention or assistance of third party | 4                         | 2,931                        | 2,225                                  | ..                      | ..                           | ..                                     | 4               | 2,931                        | 2,228                                  |
| By award of court under Commonwealth Act                   | 33                        | 5,328                        | 1,520                                  | ..                      | ..                           | ..                                     | 38              | 5,328                        | 1,520                                  |
| By agreement registered under Commonwealth Act             | 3                         | 66                           | 62                                     | ..                      | ..                           | ..                                     | 3               | 66                           | 62                                     |
| By award under State Act                                   | 218                       | 134,692                      | 64,893                                 | ..                      | ..                           | ..                                     | 218             | 134,692                      | 64,893                                 |
| By agreement registered under State Act                    | 17                        | 1,074                        | 389                                    | ..                      | ..                           | ..                                     | 17              | 1,074                        | 389                                    |
| <b>TOTAL</b>   | <b>296</b>                | <b>145,361</b>               | <b>69,710</b>                          | <b>4</b>                | <b>103</b>                   | <b>38</b>                              | <b>300</b>      | <b>145,464</b>               | <b>69,748</b>                          |

## Changes in Rates of Wage—Methods by which Effected, 1920—continued.

| METHODS BY WHICH CHANGES WERE EFFECTED.                    | WITHOUT STOPPAGE OF WORK. |                              |  | AFTER STOPPAGE OF WORK. |                              |  | ALL CHANGES.    |                              |  |
|--|---------------------------|------------------------------|--|-------------------------|------------------------------|--|-----------------|------------------------------|--|
|  | No. of Changes.           | No. of Work-people Affected. | Total Net Amount of Increase per week. | No. of Changes.         | No. of Work-people Affected. | Total Net Amount of Increase per week. | No. of Changes. | No. of Work-people Affected. | Total Net Amount of Increase per week. |
| <b>South Australia—</b>                                    |                           |                              | £                                      |                         |                              | £                                      |                 |                              | £                                      |
| By voluntary action of employers                           | 3                         | 2,685                        | 420                                    | ..                      | ..                           | ..                                     | 3               | 2,685                        | 420                                    |
| By direct negotiations                                     | 45                        | 22,320                       | 11,338                                 | 15                      | 1,681                        | 728                                    | 60              | 24,001                       | 12,066                                 |
| By negotiations, intervention or assistance of third party | 5                         | 11,691                       | 2,297                                  | ..                      | ..                           | ..                                     | 5               | 11,691                       | 2,297                                  |
| By award of court under Commonwealth Act                   | 47                        | 7,594                        | 2,095                                  | ..                      | ..                           | ..                                     | 47              | 7,594                        | 2,095                                  |
| By agreement registered under Commonwealth Act             | 20                        | 4,167                        | 1,600                                  | ..                      | ..                           | ..                                     | 20              | 4,167                        | 1,600                                  |
| By award or determination under State Act                  | 81                        | 22,423                       | 10,593                                 | 1                       | 128                          | 37                                     | 82              | 22,551                       | 10,630                                 |
| By agreement registered under State Act                    | 14                        | 3,916                        | 1,208                                  | ..                      | ..                           | ..                                     | 14              | 3,916                        | 1,208                                  |
| <b>TOTAL</b>   | <b>215</b>                | <b>74,796</b>                | <b>29,551</b>                          | <b>16</b>               | <b>1,809</b>                 | <b>765</b>                             | <b>231</b>      | <b>76,605</b>                | <b>30,316</b>                          |
| <b>Western Australia—</b>                                  |                           |                              |  |                         |                              |  |                 |                              |  |
| By voluntary action of employers                           | 7                         | 6,806                        | 1,946                                  | ..                      | ..                           | ..                                     | 7               | 6,806                        | 1,946                                  |
| By direct negotiations                                     | 50                        | 15,103                       | 5,929                                  | 15                      | 733                          | 464                                    | 65              | 15,836                       | 6,393                                  |
| By negotiations, intervention or assistance of third party | 7                         | 1,611                        | 1,295                                  | 4                       | 925                          | 636                                    | 11              | 2,536                        | 1,931                                  |
| By award of court under Commonwealth Act                   | 45                        | 5,896                        | 1,857                                  | 1                       | 28                           | 15                                     | 46              | 5,924                        | 1,852                                  |
| By agreement registered under Commonwealth Act             | 7                         | 567                          | 362                                    | 1                       | 200                          | 68                                     | 8               | 767                          | 430                                    |
| By award under State Act†                                  | 29                        | 17,586                       | 9,716                                  | 4                       | 1,528                        | 1,082                                  | 33              | 19,114                       | 10,798                                 |
| By agreement registered under State Act                    | 38                        | 4,306                        | 1,725                                  | 1                       | 200                          | 120                                    | 39              | 4,506                        | 1,845                                  |
| <b>TOTAL</b>   | <b>183</b>                | <b>51,875</b>                | <b>22,830</b>                          | <b>26</b>               | <b>3,614</b>                 | <b>2,365</b>                           | <b>209</b>      | <b>55,489</b>                | <b>25,195</b>                          |
| <b>Tasmania—</b>   |                           |                              |  |                         |                              |  |                 |                              |  |
| By voluntary action of employers                           | 4                         | 1,132                        | 472                                    | ..                      | ..                           | ..                                     | 4               | 1,132                        | 472                                    |
| By direct negotiations                                     | 72                        | 7,390                        | 3,926                                  | 4                       | 93                           | 59                                     | 31              | 7,483                        | 3,985                                  |
| By negotiations, intervention or assistance of third party | 4                         | 339                          | 230                                    | 2                       | 444                          | 88                                     | 6               | 783                          | 318                                    |
| By award of court under Commonwealth Act                   | 45                        | 4,147                        | 1,962                                  | ..                      | ..                           | ..                                     | 45              | 4,147                        | 1,962                                  |
| By agreement registered under Commonwealth Act             | 16                        | 1,863                        | 590                                    | ..                      | ..                           | ..                                     | 16              | 1,863                        | 590                                    |
| By determination under State Act                           | 52                        | 12,909                       | 7,266                                  | ..                      | ..                           | ..                                     | 52              | 12,909                       | 7,266                                  |
| <b>TOTAL</b>   | <b>148</b>                | <b>27,780</b>                | <b>14,446</b>                          | <b>6</b>                | <b>537</b>                   | <b>147</b>                             | <b>154</b>      | <b>28,317</b>                | <b>14,593</b>                          |
| <b>Northern Territory—</b>                                 |                           |                              |  |                         |                              |  |                 |                              |  |
| By direct negotiations                                     | 7                         | 703                          | 684                                    | ..                      | ..                           | ..                                     | 7               | 703                          | 684                                    |
| <b>All States—</b>   |                           |                              |  |                         |                              |  |                 |                              |  |
| By direct negotiations                                     | 2                         | 402                          | 516                                    | ..                      | ..                           | ..                                     | 2               | 402                          | 516                                    |
| By negotiations, intervention or assistance of third party | 1                         | 2,500                        | 2,625                                  | 1                       | 730                          | 635                                    | 2               | 3,230                        | 3,260                                  |
| By award of court under Commonwealth Act                   | 2                         | 3,125                        | 1,586                                  | ..                      | ..                           | ..                                     | 2               | 3,125                        | 1,586                                  |
| By agreement registered under Commonwealth Act             | 4                         | 1,130                        | 918                                    | ..                      | ..                           | ..                                     | 4               | 1,130                        | 918                                    |
| <b>TOTAL</b>   | <b>9</b>                  | <b>7,157</b>                 | <b>5,645</b>                           | <b>1</b>                | <b>730</b>                   | <b>635</b>                             | <b>10</b>       | <b>7,887</b>                 | <b>6,280</b>                           |
| <b>Commonwealth*—</b>                                      |                           |                              |  |                         |                              |  |                 |                              |  |
| By voluntary action of employers                           | 28                        | 15,193                       | 4,597                                  | ..                      | ..                           | ..                                     | 28              | 15,193                       | 4,597                                  |
| By direct negotiations                                     | 250                       | 159,941                      | 79,683                                 | 73                      | 10,032                       | 5,786                                  | 333             | 169,973                      | 85,469                                 |
| By negotiations, intervention or assistance of third party | 12                        | 60,785                       | 36,251                                 | 11                      | 3,906                        | 2,190                                  | 23              | 64,691                       | 38,441                                 |
| By award of court under Commonwealth Act*                  | 63                        | 75,020                       | 24,812                                 | 1                       | 28                           | 15                                     | 64              | 75,048                       | 24,807                                 |
| By agreement registered under Commonwealth Act*            | 162                       | 26,533                       | 11,540                                 | 1                       | 200                          | 68                                     | 163             | 26,733                       | 11,608                                 |
| By award or determination under State Acts                 | 971                       | 645,927                      | 314,244                                | 7                       | 2,156                        | 1,484                                  | 978             | 648,083                      | 315,728                                |
| By agreement registered under State Acts                   | 133                       | 27,300                       | 13,899                                 | 2                       | 265                          | 159                                    | 135             | 27,565                       | 14,058                                 |
| <b>TOTAL*</b>  | <b>1629</b>               | <b>1010699</b>               | <b>485026</b>                          | <b>95</b>               | <b>16,587</b>                | <b>9,682</b>                           | <b>1,724</b>    | <b>1027286</b>               | <b>494,708</b>                         |

\* In this section of the table an Award or Agreement under the Commonwealth Conciliation and Arbitration Act, and the Commonwealth (Public Service) Arbitration Act is counted as one change only, although such Award or Agreement may be operative in more than one State.  
† Decrease. ‡ An Industrial Agreement which has been made a Common Rule is classified in this table as an award of the Court of Arbitration.



The total number of changes recorded during the year 1920, was 1,724, of which 978, or 57 per cent. of the total number, were brought about by award or determination under State Industrial Acts. The number of workpeople who were affected by these 978 changes was 648,083, and the total amount of increase per week was £315,728. The number of changes in New South Wales brought about by State awards or variation of awards was 478. The number of workpeople affected was 350,198 and the increase in wages per week was £166,931. In Victoria 115 Wages Board determinations were made, affecting 108,619 workpeople, as compared with 218 State awards or variations of awards in Queensland; 82 in South Australia; 33 in Western Australia, and 52 in Tasmania. The number of changes in rates of wage brought about by direct negotiations between employers and employees or their representatives was 333, the number of employees affected being 169,973, for an increase per week of £85,469. Twenty-three changes were effected after negotiations with the assistance of a third party not connected with Commonwealth or State Industrial Courts. The number of changes in rates of wage which were recorded as having been made by awards or variations of awards by the Commonwealth Court of Conciliation and Arbitration was 64, while the number of industrial agreements affecting wages filed under the provisions of the Commonwealth Act was 163. Industrial agreements numbering 135 were filed under the provisions of State Industrial Acts. Included in the total number of changes were 95 which were arranged after stoppages of work.

## SECTION XII.—INDUSTRIAL DISPUTES.

1. **General.**—The systematic collection of statistical information regarding industrial disputes (strikes and lock-outs) occurring in each State and Territory throughout the Commonwealth was initiated by this Bureau at the beginning of the year 1913, and particulars relating thereto, for the first complete year, were published in Labour Report No. 5, Section XI. (Strikes and Lock-outs). An examination of the available data contained in official reports, newspapers, and other publications during past years shewed that insufficient material existed, for the compilation of anything like complete or comprehensive statistics regarding industrial disputes in the Commonwealth for years prior to 1913.

(i.) *Collection of Particulars.*—Under the system initiated in 1913 information as to the occurrence of an industrial dispute is derived from a number of sources, of which the following are the most important :— (a) Reports by labour agents and correspondents who have been appointed in all the most important industrial centres of the Commonwealth; (b) official notifications from heads of various Commonwealth and State Departments; (c) quarterly reports sent in by secretaries of trade unions, and (d) newspapers, trade and labour journals, and other publications.

Upon information being furnished as to the existence of an industrial dispute involving stoppage of work, forms\* are despatched to the several parties concerned, viz., secretaries of trade unions, employers' organisations, and individual employers. The first parts of these forms are

\* As these forms have been prescribed under the Census and Statistics Act 1905, it is compulsory for prescribed persons to furnish the information required.

required to be returned immediately, and provide for the insertion of information as to (a) the locality in which the dispute exists; (b) its cause or object; (c) the date of commencement; and (d) the number of persons involved directly and indirectly. The second parts of the forms, which must be returned as soon as the dispute is terminated, provide for information regarding (a) the date of termination; (b) the conditions or terms on which work was resumed; (c) the method by which settlement was effected; (d) the estimated loss in wages; and (e) particulars as to the number of workpeople affected, etc., if the terms of the settlement involved a change in rates of wage or hours of labour.

(ii.) *Methods of Tabulation.*—Where the information furnished by one party to the dispute substantially agrees with that furnished by the other, the facts are considered to be accurate, and the particulars are accepted for tabulation. In all cases where discrepancies or inconsistent accounts are received, special enquiries are instituted, ordinarily through the labour agents and correspondents. The whole of the available information is then tabulated as fairly as possible, and the summarised results agree not necessarily with the testimony of a single individual, but harmonise with the concurrent evidence of the majority, or of those whose returns appear to be the most reliable. It may, therefore, happen that the particulars, as presented in these Reports concerning certain disputes, do not agree with those submitted by the participants in such disputes. Certain stoppages of work are, however, excluded from the tabulations, for the reason that they are not of sufficient magnitude. Disputes involving less than 10 workpeople, or which lasted for less than one day, except where the aggregate number of working days lost exceeded 10 days, are excluded. In tabulating the particulars thus received and compared, the information is divided under four headings:—(a) Number of establishments involved; (b) number of workpeople involved (i.) directly and (ii.) indirectly; (c) number of working days lost; and (d) estimated loss in wages.

(iii.) *Definitions and Explanations of Terms.*—Industrial Disputes involving **stoppage of work** may be classified under three main headings, viz., (a) a strike, (b) lock-out, or (c) a sympathetic strike. For the purposes of these investigations the following definitions† have been accepted:—

- (a) A strike is defined as a concerted withdrawal from work by a part or all of the employees of an establishment or of several establishments, with a view to enforcing a demand on the part of the employees, or of resisting some demand made by their employers.

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† It must be observed, however, that certain stoppages of work do not come within these definitions, such as those where the relationship of employer and employee does not exist, e.g., rabbit trappers who refused to continue to supply certain freezing companies with rabbits owing to the companies refusing to pay an advanced price; and labourers refusing to commence work at the rate of wage offered. It has been held judicially that a refusal to commence or to continue work does not constitute a strike, unless such refusal is a breach of an existing contract of employment. Again, stoppages of work for the purpose of holding meetings are not designated industrial disputes, seeing that the stoppages are not necessarily for the purpose of enforcing or resisting demands. The majority of these meetings are held during working hours so as to ensure a full attendance, and are generally called to discuss some question with a view to ascertain whether any definite action should be taken.

- (b) A lock-out is a refusal on the part of an employer or several employers, to permit a part or all of the employees to continue at work, such refusal being made to enforce a demand on the part of the employers, or to resist some demand made by their employees.
- (c) A sympathetic strike is one in which the employees of an establishment, or of several establishments, make no demand for their own benefit, but leave work in order to assist employees of some *other* establishment or establishments, on strike or locked out, for the purpose of enforcing or resisting a demand.

In view of the difficulty which may often occur in distinguishing clearly whether a stoppage of work constitutes a strike or a lock-out, for the purposes of these investigations all stoppages coming within the definitions adopted, are grouped under the generic term "industrial disputes."

"Establishment" means the place of work or business carried on by a person, firm, company, or Government Department. Shops, factories, places of business or construction or repairing works of different employers in the same locality, or of the same employer in different localities, are considered as separate establishments.

"Workpeople directly involved in dispute"\* includes only those workpeople who actually joined in the demand and who, on refusal of such demand, ceased work. In the case of a lock-out the term is used to include the number of workpeople whom the employer refused to allow to work unless they complied with his demand.

"Workpeople indirectly involved in dispute" refers only to those employees who were involuntarily thrown out of work as the result of an industrial dispute, caused by certain other employees going on strike or through an employer or employers locking out certain other employees, whose absence from work rendered it impossible for work to proceed in the establishment or establishments affected by the dispute. It often occurs also that when one section of employees is engaged in an industrial dispute, the effect of such dispute is to cause loss of time to other employees following occupations which are dependent upon those followed by the workpeople actually on strike or locked out.

"Working days lost" refers to working time lost in consequence of the dispute, and is obtained by multiplying the number of workpeople directly and indirectly involved by the duration of the dispute in working days.

In computing the duration of a dispute in working days, Sundays (except where continuous processes are carried on) and holidays are excluded. It is generally considered that had a dispute not occurred, the employment would have been constant, and allowance is not made for short time work due to slackness of trade, etc. This course is not precisely correct, but until a complete investigation can be made as to the amount of unemployment due to seasonal trades, or intermittency in trade activity, no definite allowance can be computed and allowed.

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\* The same persons may, of course, be involved in two or more disputes in a single year in which case they would be duplicated in the statistics of the number of workpeople involved in disputes. This remark also applies to those workpeople involuntarily thrown out of work.

"Estimated loss in Wages" is computed, and represents the amount in wages which would have been earned by the workpeople involved had a stoppage not taken place. It is admitted that the element of unemployment also enters into this phase of the statistics. Further, in some industrial work (*e.g.*, shearing and sugar-cane cutting) the amount of work available is definite, and the amount to be earned in wages, in executing the work, is not reduced by reason of it not being entered upon and finished within a certain reasonable period. For some purposes, therefore, it may be contended that a loss in wages is not necessarily incurred if only the commencement or completion of the work is delayed through a stoppage of work.

In all **quarterly** tabulations, particulars of disputes which commenced within the quarterly period (so far as they relate to the number of working days and wages lost) are separated from those respecting disputes which had commenced in a previous quarter but which had not been settled within that period.

In **annual** tabulations, particulars are included only with respect to industrial disputes **which commenced during any calendar year.**\* This course requires the elimination of such data as relates to disputes which commenced during an earlier period, but which remained unsettled during some portion of the succeeding year. On the other hand, it necessitates the inclusion of the number of working days and wages lost during the following year in connection with disputes commenced during the calendar year to which the statistics relate. For this reason the aggregate of the particulars relating to the four quarters of any year will not necessarily agree with the annual results.

(iv.) *Other Particulars.*—The information obtained from the before-mentioned tabulations forms the basis for further analysis, and data are thus afforded with respect to the following:—(a) The duration of disputes; (b) the causes of disputes; (c) the results of disputes; and (d) the methods by which settlements of disputes are effected. The main features of and the extent of each analysis are fully dealt with in succeeding sub-sections, and are accompanied by relative tables.

**2. Industrial Disputes (involving Stoppage of Work), Number and Magnitude in each State and Territory, 1913-1920.**—In the following table complete particulars are given with respect to the number and magnitude of industrial disputes which commenced in each State and Territory in the years indicated. The annual figures for the year 1913 were published in Labour Report No. 5, and those for the years 1914 to 1919, were shewn in detail in Labour Reports Nos. 6 to 10. In order to allow of a ready comparison of the results of the investigations, particulars are furnished in the following table for the eight years, 1913 to 1920. It is pointed out that the losses in working days and wages, shewn in the table, do not represent the losses during each calendar year, but shew the total losses caused by the industrial disputes which commenced during each year. A table shewing the number of disputes, the number of workpeople involved, and the losses in working days and wages during each *calendar* year, 1913 to 1920, is given on page 169 of this Report.

\* Any tabulation as to causes, duration, etc., based on disputes which were in existence in any given year, and not on those which commenced in that year, would inevitably result in confusion, seeing that particulars relating to the same dispute would probably occur in two successive years.

**Industrial Disputes (involving Stoppage of Work).—Number and Magnitude in each State and Territory, and for the Commonwealth, 1913-1920.**

| State or Territory. | Year.   | No. of Disputes | Estab-lishments Involved in Disputes. | No. of Workpeople Involved. |              |         | No. of Working Days Lost. | Total Estimated Loss in Wages. |
|---------------------|---------|-----------------|---------------------------------------|-----------------------------|--------------|---------|---------------------------|--------------------------------|
|                     |         |                 |                                       | Directly.                   | In directly. | Total.  |                           |                                |
|                     |         |                 |                                       |                             |              |         |                           | £                              |
| N. S. Wales         | 1913    | 134             | 466                                   | 25,647                      | 14,364       | 40,011  | 468,957                   | 216,368                        |
|                     | 1914    | 235             | 908                                   | 33,955                      | 22,326       | 56,281  | 836,948                   | 419,656                        |
|                     | 1915    | 272             | 694                                   | 47,006                      | 22,608       | 69,614  | 464,343                   | 240,322                        |
|                     | 1916    | 336             | 717                                   | 91,762                      | 31,638       | 123,400 | 1,145,222                 | 674,064                        |
|                     | 1917    | 296             | 918                                   | 118,515                     | 15,508       | 134,023 | 3,308,869                 | 1,929,405                      |
|                     | 1918    | 138             | 182                                   | 24,417                      | 8,624        | 33,041  | 181,639                   | 112,894                        |
|                     | 1919    | 267             | 678                                   | 64,956                      | 35,040       | 99,996  | 4,324,686                 | 2,856,259                      |
|                     | 1920    | 349             | 650                                   | 68,033                      | 22,349       | 90,382  | 587,156                   | 432,988                        |
| Victoria            | 1913    | 29              | 63                                    | 4,151                       | 2,026        | 6,177   | 85,212                    | 35,744                         |
|                     | 1914    | 44              | 164                                   | 5,699                       | 1,352        | 7,051   | 84,106                    | 39,619                         |
|                     | 1915    | 38              | 154                                   | 5,434                       | 809          | 6,243   | 64,878                    | 28,476                         |
|                     | 1916    | 55              | 449                                   | 13,576                      | 2,092        | 15,668  | 228,269                   | 114,683                        |
|                     | 1917    | 52              | 636                                   | 15,976                      | 2,114        | 18,090  | 760,410                   | 378,946                        |
|                     | 1918    | 33              | 190                                   | 4,235                       | 1,513        | 5,748   | 165,020                   | 99,346                         |
|                     | 1919    | 62              | 372                                   | 15,169                      | 7,437        | 22,606  | 733,333                   | 392,796                        |
|                     | 1920    | 53              | 809                                   | 15,274                      | 24,534       | 39,808  | 783,286                   | 465,244                        |
| Queensland          | 1913    | 17              | 20                                    | 1,781                       | 225          | 2,006   | 55,288                    | 28,374                         |
|                     | 1914    | 18              | 42                                    | 1,280                       | 406          | 1,686   | 25,703                    | 11,747                         |
|                     | 1915    | 17              | 39                                    | 1,477                       | 589          | 2,066   | 19,934                    | 9,505                          |
|                     | 1916    | 64              | 252                                   | 17,367                      | 2,951        | 20,318  | 170,690                   | 96,976                         |
|                     | 1917    | 39              | 202                                   | 12,074                      | 971          | 13,045  | 137,699                   | 178,125                        |
|                     | 1918    | 84              | 696                                   | 8,803                       | 1,875        | 10,678  | 183,883                   | 131,142                        |
|                     | 1919    | 69              | 295                                   | 9,078                       | 6,336        | 15,414  | 586,661                   | 327,537                        |
|                     | 1920    | 55              | 71                                    | 3,775                       | 2,033        | 5,808   | 68,298                    | 44,943                         |
| South Australia     | 1913    | 9               | 13                                    | 272                         | 16           | 288     | 2,412                     | 1,029                          |
|                     | 1914    | 13              | 45                                    | 616                         | 575          | 1,191   | 15,275                    | 7,677                          |
|                     | 1915    | 15              | 25                                    | 1,314                       | 169          | 1,483   | 19,877                    | 14,442                         |
|                     | 1916    | 21              | 45                                    | 1,037                       | 606          | 1,643   | 10,563                    | 6,004                          |
|                     | 1917    | 24              | 44                                    | 3,958                       | 146          | 4,104   | 57,446                    | 30,306                         |
|                     | 1918    | 17              | 25                                    | 1,576                       | 429          | 2,005   | 18,276                    | 10,515                         |
|                     | 1919    | 32              | 75                                    | 4,437                       | 3,409        | 7,846   | 238,378                   | 127,303                        |
|                     | 1920    | 40              | 126                                   | 4,732                       | 1,067        | 5,799   | 232,402                   | 140,326                        |
| W. Australia        | 1913    | 9               | 324                                   | 967                         | ..           | 967     | 6,772                     | 3,515                          |
|                     | 1914    | 18              | 19                                    | 1,117                       | 3,292        | 4,409   | 124,175                   | 70,552                         |
|                     | 1915    | 6               | 20                                    | 578                         | 68           | 646     | 4,068                     | 2,294                          |
|                     | 1916    | 24              | 35                                    | 4,318                       | 4,782        | 9,100   | 102,357                   | 64,325                         |
|                     | 1917    | 23              | 128                                   | 2,401                       | 547          | 2,948   | 102,078                   | 53,004                         |
|                     | 1918    | 22              | 56                                    | 3,368                       | 1,435        | 4,803   | 31,145                    | 17,792                         |
|                     | 1919    | 20              | 157                                   | 5,516                       | 4,460        | 9,976   | 359,987                   | 213,867                        |
|                     | 1920    | 45              | 434                                   | 9,095                       | 2,918        | 12,013  | 146,640                   | 108,055                        |
| Tasmania            | 1913    | 8               | 30                                    | 444                         | 20           | 464     | 987                       | 434                            |
|                     | 1914    | 6               | 22                                    | 288                         | 25           | 313     | 3,286                     | 1,459                          |
|                     | 1915    | 2               | 2                                     | 922                         | ..           | 922     | 4,808                     | 2,174                          |
|                     | 1916    | 6               | 36                                    | 366                         | 68           | 434     | 21,389                    | 11,207                         |
|                     | 1917    | 8               | 11                                    | 1,062                       | 623          | 1,685   | 52,541                    | 24,502                         |
|                     | 1918    | 1               | 1                                     | 42                          | ..           | 42      | 462                       | 250                            |
|                     | 1919    | 5               | 127                                   | 1,098                       | 588          | 1,686   | 63,271                    | 32,738                         |
|                     | 1920    | 12              | 14                                    | 1,610                       | 146          | 1,756   | 54,283                    | 32,160                         |
| Fed. Cap. Terr.     | 1913    | 1               | 1                                     | 100                         | 100          | 200     | 1,400                     | 600                            |
|                     | 1914    | 1               | 1                                     | 50                          | ..           | 50      | 350                       | 170                            |
|                     | 1915    | 1               | 1                                     | 20                          | ..           | 20      | 80                        | 55                             |
|                     | 1916    | ..              | ..                                    | ..                          | ..           | ..      | ..                        | ..                             |
|                     | to 1920 | ..              | ..                                    | ..                          | ..           | ..      | ..                        | ..                             |
|                     | 1913    | 1               | 4                                     | 131                         | 39           | 170     | 2,500                     | 1,675                          |
|                     | 1914    | 2               | 2                                     | 68                          | ..           | 68      | 552                       | 348                            |
| Nth. Territory      | 1915    | 7               | 7                                     | 254                         | 44           | 298     | 5,237                     | 2,365                          |
|                     | 1916    | 2               | 2                                     | 120                         | ..           | 120     | 420                       | 345                            |
|                     | 1917    | 2               | 2                                     | 75                          | ..           | 75      | 615                       | 520                            |
|                     | 1918    | 3               | 4                                     | 112                         | 10           | 122     | 428                       | 395                            |
|                     | 1919    | 5               | 9                                     | 46                          | 21           | 67      | 1,910                     | 1,436                          |
|                     | 1920    | ..              | ..                                    | ..                          | ..           | ..      | ..                        | ..                             |
| Commonwealth        | 1913    | 208             | 921                                   | 33,493                      | 16,790       | 50,283  | 623,528                   | 287,739                        |
|                     | 1914    | 337             | 1,203                                 | 43,073                      | 27,976       | 71,049  | 1,090,395                 | 551,228                        |
|                     | 1915    | 358             | 942                                   | 57,005                      | 24,287       | 81,292  | 583,225                   | 299,633                        |
|                     | 1916    | 508             | 1,536                                 | 128,546                     | 42,137       | 170,683 | 1,678,930                 | 967,604                        |
|                     | 1917    | 444             | 1,941                                 | 154,061                     | 19,909       | 173,970 | 4,599,658                 | 2,594,808                      |
|                     | 1918    | 298             | 1,154                                 | 42,553                      | 13,886       | 56,439  | 580,853                   | 372,334                        |
|                     | 1919    | 460             | 1,713                                 | 100,300                     | 57,291       | 157,591 | 6,308,226                 | 3,951,936                      |
|                     | 1920    | 554             | 2,104                                 | 102,519                     | 53,047       | 155,566 | 1,872,065                 | 1,223,716                      |

It will be seen from the foregoing table that industrial disputes throughout the Commonwealth were most frequent during the year 1920, when particulars concerning 554 dislocations of work were recorded. This number is considerably higher than that for any previous year. In 1916 the number of disputes was 508, and during the years 1917 and 1919 stoppages of work numbering 444 and 460 respectively were recorded. Since the systematic collection of particulars concerning industrial disputes was commenced in 1913, information relating to 3167 stoppages of work has been collected and tabulated. The period during which this number of disputes occurred was eight years 1913 to 1920. It is, of course, obvious that the mere number of disputes cannot by itself be accepted as a proper basis of comparison, nor does the number of workpeople involved afford a satisfactory basis, if it is desired to compare the effect of dislocations during certain periods or within certain areas; a better idea as to the significance and effect of industrial disputes may be obtained from the number of working days lost and the estimated loss in wages.

The number of workpeople who were involved in the industrial disputes which commenced during the year 1920 was 155,566, as compared with 157,591 during 1919; 173,970 during 1917; and 170,683 during 1916. During each of the other years for which particulars are shown, the number of workpeople affected by dislocations of work was comparatively low.

The greatest losses in working days and wages were occasioned by disputes which began during the year 1919. The number of working days lost on account of the 460 disputes during 1919 was 6,308,226, causing an estimated loss of wages of £3,951,936. Comparatively heavy losses were caused by disputes commencing during the years 1916, 1917 and 1920. During 1916, disputes numbering 508 caused a loss of 1,678,930 working days, and a consequential estimated loss of £967,604 in wages; in 1917 the number of disputes was 444, the loss in working days 4,599,658, and the loss in wages £2,594,808, and in 1920 the corresponding figures were 554 disputes, 1,872,065 working days, and £1,223,716 lost in wages.

It must be mentioned, however, that the figures for 1914 and 1916 include particulars of abnormal disputes which occurred in the coal mining industry during those years, while particulars relating to the "card system" dispute at the Government Railway Workshops in New South Wales are included in the figures for the year 1917. Three serious dislocations occurred during the year 1919. Miners and others at Broken Hill ceased work during the second quarter of the year, and the dispute continued until November, 1920. Seamen and marine engineers were also involved in protracted disputes, which caused heavy losses of working days and wages during the year. Detailed particulars of these important disputes have been published in previous Labour Reports, but in view of the magnitude of the dislocations of work it is of interest to mention the main features of the troubles.

In 1914, a protracted dispute occurred in the coal mining industry in New South Wales over the refusal of the miners to work the afternoon shift. The number of working days lost owing to this dislocation was 523,000, and the estimated loss in wages was approximately £259,000.



In the year 1916, another dispute of considerable magnitude was recorded, when coal mining employees in New South Wales, Victoria, Queensland, and Tasmania ceased work over the question of "eight hours bank to bank." The total losses caused by these stoppages were 409,000 working days and £240,850 in wages.

The dislocation of work during the year 1917, following on the "card system" dispute at the New South Wales Government Railway Workshops, was very far-reaching in its effect. After careful consideration of the data it was ascertained that 79 disputes throughout the various States were directly associated with the action of the employees at the Government Railway Workshops. The originating dispute, which commenced on the 2nd August, 1917, when the employees at the workshops ceased work—such action, according to statements of their representatives, being a protest against the introduction of a time-card system—rapidly extended to other industries throughout the Commonwealth. Railway employees in other branches of the service, coal and metalliferous miners, seamen, water-side workers, and others left work, most of them stating that they did so in sympathy with the railway men, while other bodies of workpeople, including carters, storemen, and artificial manure makers, stated that they refused to handle "black" goods and coal, and acted accordingly. Of the 79 disputes, which were the outcome of the original stoppage, 52 occurred in New South Wales; 18 in Victoria; 3 in South Australia; and 2 in each of the remaining States. The total number of workpeople involved in these dislocations was 97,507, the loss in working days was 3,982,250, with a consequent estimated loss in wages of £2,233,000. In addition a large number of employees in various industries, who were not directly connected with the dispute, were involuntarily thrown out of work, owing to the restrictions placed upon the use of coal, gas and electricity. It will be seen, therefore, that the losses occasioned by the "card system" dispute greatly exceed any previously recorded.

Detailed particulars of the three serious dislocations of work which commenced during the year 1919, were given in Labour Report, No. 10. As these disputes were responsible for exceptionally heavy losses in working days and wages, it is of interest to again mention briefly the main features of each dispute. The stoppage of work at Broken Hill, in which metalliferous miners and others were involved, was the most prolonged dispute which has been recorded by this Bureau. The mines closed down during May 1919, and work was not resumed until 11th November, 1920. The carpenters at the mines were involved in a sectional dispute prior to the 1st May, but the general stoppage of operations dated from the 19th May. During the early stage the dispute resolved into a struggle between unions as to which organisation engine-drivers at the mines should belong. Claims for increased rates of wage, reduction of hours of labour, abolition of contract system, abolition of night shift, and compensation for occupational diseases in addition to existing provisions, were made by the miners, engineers and engine-drivers. These claims were refused, and the result was that over 7000 workpeople were thrown out of work. In addition, the number of employees at the smelting works, Port Pirie, was reduced from 2000 to 800. Great distress existed in Broken Hill and Port Pirie during the currency of the trouble, and many of the workpeople left the districts. Numerous conferences were held with a

view of settling the dispute. The employers stated in reply to the miners log that whilst increased wages were quite possible, the industry could not be carried on if all the terms of the log were granted. The companies offered to assist in getting a speedy hearing of the claims in the Commonwealth or State Arbitration Court; to continue existing rates of pay and conditions; to make any increases granted retrospective; to grant annual leave on full pay to employees who attended regularly; and to re-adjust wages periodically on the basis of the Commonwealth Statistician's index-numbers. The Miners' Union, however, declared its intention to abide by the log. After a compulsory conference under the provisions of the Commonwealth Conciliation and Arbitration Act, held in Sydney during June, 1919, the enginedrivers agreed to resume work, pending the hearing of their case, which was referred into Court. The miners and carpenters refused to offer themselves for work, and the number of men employed, owing to the absence of mining operations, was very limited. During October, the carpenters declared the strike off, but the miners' dispute continued. A conference held at Melbourne during September failed to agree as to wages and conditions. In December a Technical Commission of Inquiry to investigate occupational diseases at Broken Hill was appointed by the New South Wales Board of Trade, the companies and the Government agreeing to share equally the cost of the Commission.

Negotiations between the parties involved continued without success until July, 1920, when an agreement was arranged between the representatives of the companies and the unions to submit the claims of the men to an independent tribunal consisting of a Judge of the Federal or State Arbitration Court and five representatives of each side; the selection of the Judge to be made by the Prime Minister of the Commonwealth and the Premier of New South Wales. Mr. Justice Edmunds was appointed Chairman of the tribunal on 26th July. After a conference extending over some weeks an award was issued. The terms of the award, as first announced, were not satisfactory to the parties, and the Arbitrator was requested to interpret certain sections, especially those in regard to hours of labour, before finality was reached. The sections of the award relating to hours and wages are given hereunder.

“44 Hours Underground.—If, before work is recommenced on the mines, the inquiry by the Technical Commission is resumed and has proceeded so far as to enable the commission to give a list of the men incapacitated by disease who shall be withdrawn from work in the industry, and if those men are so withdrawn and compensated as herein provided, and if, after the resumption of work, other recommendations of the said commission included in its report or reports are carried into effect, provided that any disputes about so carrying such recommendations into effect shall be referred to this tribunal, the hours to be worked underground shall be 44 a week, whistle to whistle, including 30 minutes for crib, and the hours to be worked on the surface shall be :—Shift men, 44 hours a week, including 30 minutes for crib; all day shift men, 46 hours a week, including 30 minutes for crib, working from 8 a.m. to 5 p.m. Mondays to Fridays, and 8 a.m. to noon on Saturdays.”

“35 Hours Underground.—Pending or failing the happening of the contingencies set out in the above conditions the hours to be worked underground shall be five shifts of seven hours on Mondays to Fridays,

including 30 minutes for crib, upon the conditions existing at the cessation of work, *i.e.*, one winding in the employers' time and one winding in the employees' time. The hours to be worked on the surface shall be :— Shift men, 44 hours a week, including 30 minutes for crib ; all day shift men, 46 hours a week, including 30 minutes for crib, working from 8 a.m. to 5 p.m. Mondays to Fridays, and 8 a.m. to noon on Saturdays."

" Wages.—Wages shall be based upon a minimum of 15s. a day in lieu of 13s.—basic wage under the awards of the Barrier Workers' Association and the Trades and Trade Labourers' Union of September 12, 1919, and of September 5, 1919. The wages are to be those set out in the said awards, increased by 2s. in all rates for adults. Boys are to be classed in the wage rates according to their age, and the rates for boys in the said awards shall be increased by two-thirteenths."

The strike was declared "off" on the 10th November, 1920, and the men decided to offer themselves for work. During the month the various mines resumed operations, but before many weeks had passed the market price for lead and silver declined considerably, and consequently only few of the mines were able to continue working. It is estimated that the loss in wages to workpeople at the mines at Broken Hill and at the smelters, Port Pirie, exceeded £2,500,000. In addition to this loss, large numbers of workpeople at Broken Hill, who were not directly connected with the dispute, were thrown out of employment or were working part time. The distress at Broken Hill was so serious that it was necessary to open relief depots.

The seamen's dispute also commenced during May 1919, and continued until August 1919. The cause of the cessation of work was the refusal of the owners to concede the men's demand for an increase of 35s. per month in their rates of pay. The result was a general cessation of work by seamen engaged in the coastal trade. The Commonwealth Line of steamers was also involved. Work on the wharves was suspended, with the exception of the loading and unloading of oversea vessels. Owing to the inability to obtain coal and power many factories were closed, and thousands of workpeople engaged in manufacturing and other industries in the several States were thrown out of employment. Female employees were most severely affected. War Precautions (Coal) Regulations were issued by the Department of the Navy, prohibiting the use or supply of coal or coke without the consent of the Coal Board. The use of electric current and gas in private houses or boarding houses was prohibited between the hours of 8 a.m. and 5 p.m. on each day, except Sunday, when they were permitted to be used between 8 a.m. and 2 p.m. Railway and tramway services were curtailed and in the metropolitan areas the trams stopped running during the evenings and on Sundays. During the last week of August, after negotiations, the men agreed to man the ships and to meet the owners in conference. As a result of the conference the men were granted an increase of 35s. per month.

During December 1919, the marine engineers employed on interstate vessels took individual action to obtain higher rates of pay. The men gave notice of their intention to leave the vessels at their home ports, and did so. The approximate date of commencement of the dispute was the 13th December. The dislocation of work continued after the close of the

year, and work was not resumed until the end of February 1920. War Precautions (Coal) Regulations on similar lines to those issued during the seamen's dispute were gazetted. Large numbers were thrown out of work, but not to the same extent as during the seamen's dispute. After a stoppage of work extending over 10 weeks, the engineers decided, by ballot, to give their executive complete control of the strike. The shipping controller's terms were accepted. Increased rates of pay were granted, and it was also provided that a tribunal should be appointed with an independent chairman to consider the men's claims.

In regard to extensive dislocations of industry which occurred prior to the institution of systematic inquiries by the Bureau, efforts have been made to obtain statistical data relating to the shearers' disputes in 1890, 1891 and 1894, and also concerning the number of workpeople involved and the losses caused by the maritime dispute in the early part of 1891, but precise information which could be utilised for statistical purposes regarding such particulars was not obtainable.

A noticeable increase in the number of stoppages of work took place during the year 1920. In all the States, with the exception of Victoria and Queensland, the numbers of disputes were more than those recorded during 1919.

The predominance of industrial disputes in New South Wales, as compared with the other States, continued during the year 1920.

The position which New South Wales occupies in comparison with the other States is practically wholly due to the prevalence of disputes in connection with coal mining. Apart from these stoppages, the number of disputes in all other industries whilst still in excess of that for each of the other States, does not compare unfavourably when the number of workpeople in each State is taken into consideration.

During the year, 1920, the number of disputes in New South Wales was 349, or 63 per cent. of the total number of dislocations. The number of cessations of work (53) in Victoria represented 10 per cent., while those in Queensland (55) equalled 10 per cent. of the total number of stoppages during the period. Forty disputes were recorded as having occurred in South Australia, and forty-five in Western Australia. These numbers represented 7 per cent. and 8 per cent. of the total number of stoppages respectively. Twelve disputes occurred in Tasmania during the year.

**3. Particulars of Principal Industrial Disputes recorded during the Year 1920.**—(i.) *New South Wales*—The total number of cessations of work in this State during the year was 349, and the number of workpeople involved was 90,382, of whom 68,033 were directly and 22,349 indirectly affected. The loss in working days was 587,156, while the estimated loss of wages was £432,988. These losses shew a considerable reduction compared with those for the previous year, when the figures were exceptionally high owing to the heavy losses caused by the dispute in which metalliferous miners and others at Broken Hill were involved.

The number of disputes which occurred in this State during the year 1920 is higher than the number recorded for any previous year. Many of the dislocations were of short duration, especially those which involved employees at the collieries. There was no general dislocation of work at the coal mines, but during the period under review the number of disputes affecting employees in the mining and quarrying industry (Group VIII.) was 279. With very few exceptions these stoppages occurred at the coal mines. The colliery disputes which caused the greatest losses in working days and wages occurred at the Mount Kembla, Metropolitan, Burwood Extended, North Bulli, Cessnock No. 2, South Clifton, Rothbury, Duckenfield, and Neath collieries.

The disputes which were mainly responsible for the losses of working days and wages classified in Group II. (Engineering, Metal Works, etc.), affected vertical pipe moulders at Ultimo and Rhodes; ironworkers at Lithgow; stove moulders at Sydney, and iron trade employees at Sydney. The dispute at Lithgow occurred in June, and arose over the dismissal of three workmen. The other employees demanded their reinstatement. After a stoppage of two weeks the employers agreed, after negotiations, to re-employ the dismissed men on other work. The dispute in the iron trade at Sydney occurred during the third quarter of the year. The cause of the dislocation was the refusal of the employers to concede a reduction of 4 hours per week from 48 to 44. As the employers declined to meet representatives of the workpeople to discuss the matter in dispute, stop-work meetings were called on Saturday mornings, work being resumed as usual on following Mondays. Certain employers, however, after the second week, did not re-open their establishments, and the men claimed that they were locked out. A compulsory conference was convened by the Labour Department, and work was resumed on the 48 hours per week basis. A Royal Commission of Inquiry into the proposed reduction of the standard working week from 48 to 44 hours was appointed in this State during September, and the Commission's Report was in favour of a 44-hour week for iron trade employees, but a recommendation was added that the date on which such hours should operate be deferred for six months.

Building trade employees were involved during the year in a dispute of a similar character concerning the question of hours of work per week. The men refused to work on Saturday mornings; stop-work meetings were called, and were largely attended. A feature of the trouble was the case brought against the Bricklayers' Union for taking part in an illegal strike. The judge decided that the Union had taken part in an illegal strike, and inflicted a fine of £100. The Royal Commission of Inquiry recommended that the working week in the building trade should be reduced to 44 hours per week, to be worked in five days of eight hours each and a Saturday of four hours.

During the year a number of stoppages of work occurred on vessels engaged in the interstate trade over the question of manning. These disputes did not cause heavy losses of working days, as the employers conceded the demands, so that the vessels could proceed to sea. Particulars concerning the marine stewards' dispute which caused heavy losses of employment and wages, are given later on in this Section. During April workmen engaged on the construction of an embankment

at Lake Victoria demanded an increase in wages, which was refused. Work was not resumed till November, when, after negotiations, a compromise was effected, the men being granted 1s. per day increase and certain concessions. Waterworks construction labourers at Rufus Creek demanded payment of rates of wage specified in the New South Wales award, instead of payment at the rates of the South Australian award. After a stoppage of work for a month the contractors paid the New South Wales rates of wage, and work was resumed.

(ii.) *Victoria*.—During the year 1920 fifty-three stoppages of work were recorded in this State. The total number of workpeople involved in these disputes was 39,808, of whom 15,274 were directly and 24,534 indirectly affected. The total loss in working days was 783,286, and in wages £465,244. These losses are larger than those recorded during any previous year in this State. The disputes which were mainly responsible for these heavy losses were those in which the undermentioned workpeople were involved:—Factory engine-drivers and firemen, Melbourne, Geelong, etc.; gas works employees, Melbourne and suburbs; printers, Melbourne; carpenters, painters and others, Melbourne and Geelong; marine stewards on interstate vessels; coal miners, Wonthaggi; brown coal miners, Morwell; and waterworks construction labourers at Murray Weir and Torrumbarry Weir.

The factory engine-drivers' dispute occurred in June, and lasted for two weeks. The cause of the trouble was the refusal of the employers to concede the demand of the men for an increase of four shillings per day. The industrial position was rendered more serious owing to the gasworkers being involved in a dispute concerning rates of wage during the same period. The effect of the two stoppages was most disastrous, as thousands of factory workers were thrown out of employment. The engine-drivers at the electric light and power works were amongst those who ceased work. The immediate result of the stoppages at these establishments was that the electric tramways were affected. Owing to the absence of gas or electric lighting in the streets, the cable trams on practically all lines ceased running after 6 p.m. The dispute at the electric light works was settled within a week, the men being granted increases of 3s. and 3s. 6d. per day. The factory engine-drivers and gasworkers, however, continued on strike. It is estimated that considerably over 20,000 workpeople were involuntarily thrown out of employment on account of the restrictions on the use of coal and power. Owing to the difficulty of obtaining proper lighting, many shops in the city and suburbs closed earlier than usual. The manufacturing industries which were most seriously affected by the disputes were confectionery, brick and tile, rubber, tanning, timber working, boot making, wool and basil, manufacturing grocery, and ironworking. Tramway employees were not working full time during the currency of the dislocation. The stoppage of the trams at night and the want of proper lighting seriously interfered with the attendances at theatres and other places of amusement. Coal at the gas works and electricity generated by non-union labour were declared "black." The engine-drivers' dispute terminated on the 28th June, after a conference between the employers' executive committee and the industrial disputes committee of the Trades Hall Council. The tentative agreement reached at the conference was accepted by the men, who resumed work at existing rates



of pay on the understanding that five representatives of each side would meet at once to determine rates of wage and working conditions, any increases agreed upon to be made retrospective to date of resumption of work. The gasworkers' trouble remained unsettled until the 26th July. A compulsory conference under the provisions of the Commonwealth Conciliation and Arbitration Act was called during the early stage of this dispute, but proved abortive. A further conference was held, but it was not successful in settling the dispute. Towards the end of June the Trades Hall disputes committee and officials of the transport unions waited upon the State Premier, and suggested that he should assist to bring about a round table conference with a view to settle the dispute. The Premier promised to consider the representations, but stated that he could not depart from the attitude the Government had already taken up with regard to settlement of the dispute by constitutional means. At the end of June the Premier submitted proposals to the employers and to the disputes committee for a settlement of the trouble. These proposals included the offer to appoint a Wages Board for gas workers. The proposals as submitted were not acceptable to the parties. Negotiations continued, and after a conference at the Premier's Office, at which the industrial disputes committee, the executive of the union and representatives of the companies were present, the men decided to accept the terms of the companies' offer and work was resumed after a stoppage of 44 days. Briefly, the terms of settlement provided for an increase in the basic wage in the gas industry from 12s. to 13s. per day, such increase to be paid retrospectively from 1st May, and to be reviewed at quarterly intervals according to the variation in the cost of living statistics.

The dispute in the printing trade commenced on the 1st March, and continued until the 17th May. The cause of the dislocation was the refusal of the employers to grant the claim of the unions for a reduction in the weekly working hours from 48 to 44. A claim for increased rates of wage was also submitted and refused. The jobbing printing trade was practically at a standstill, as approximately 2000 employees, including a large number of females, were involved in the dispute. After a conference, work was resumed, the employers granting substantial increases in the rates of wage, but no concessions were made in regard to the number of hours in the working week.

Building trade employees in this State during the early part of the year refused to work on Saturdays. Stop-work meetings were called, and were held on Saturday mornings. The workpeople presented themselves for work as usual on the following Mondays. The employers resented the action of the men, and decided to refuse work to those who absented themselves on Saturdays. The dispute continued on these lines for some weeks, when the workpeople decided, by ballot, to work on Saturdays. The agitation for a reduced number of working hours per week was general, as similar disputes occurred in New South Wales, Queensland and South Australia.

A serious dislocation of work occurred at the brown coal mine, Morwell, during November. The cause of the trouble was the refusal of the Victorian Government to pay at Morwell the rates of wage fixed

by the Coal Tribunal appointed under the Industrial Peace Act. The mine was rendered idle until April, 1921, when work was resumed on conditions fixed by the employers. A condition of re-employment was that all men had to sign a form waiving claim to the extra rates of wage specified in the Coal Tribunal award. Higher rates of wage than those previously paid at the mine were granted by the Government, but such rates were considerably lower than the rates specified in the tribunal's award. The State coal mine at Wonthaggi was idle from 10th November, 1920, to 25th January, 1921, owing to the trouble at the Morwell mine, as the miners of black coal ceased work in sympathy with the Morwell men.

Waterworks construction labourers at Murray Weir and Torrumbarry Weir were involved in protracted disputes during the year. The men claimed payment of the rates of wage specified in a New South Wales award for the class of work on which they were engaged. These rates were considerably higher than the Victorian rates. The authorities in charge of the works refused the claim, and construction was delayed for months. A number of the men left the district, and obtained work elsewhere. Work was ultimately resumed at the rate of 13s. 9d. per day.

(iii.) *Queensland*.—In this State 55 dislocations of work occurred during the year 1920. The number of workpeople involved was 5808, as compared with 15,414 involved during the previous year. The loss in working days and the estimated loss in wages during 1920 were considerably lower than those for the year, 1919. Very few serious dislocations of work were recorded. The principal disputes were those in which furniture makers, Brisbane; railway construction workers, Proserpine-Mackay line; water-side workers at Innisfail, Goondi and Mourilyan Harbour; State butchery employees at Townsville; and marine stewards on interstate vessels were involved.

(iv.) *South Australia*.—The number of disputes in this State during the year 1920 was 40, which is the highest number recorded during any annual period. These stoppages affected 5799 workpeople, who lost 232,402 working days, and £140,326 in wages. The dislocations of work mainly responsible for these losses involved the following workpeople:—Liquor trade employees, Adelaide; building trade employees, Adelaide; marine stewards on interstate vessels; ironmoulders and ironworkers, Adelaide; ironstone quarrymen and others, Iron Knob and Whyalla; and waterworks construction labourers, at Cobdogla, Cadell, Blanchetown Weir and Jervois. The stoppage of work by the employees of the Broken Hill Proprietary Co. at Whyalla and Iron Knob began on the 15th December, and work was not resumed until 8th March, 1921. As a consequence of this dispute the blast furnaces at Newcastle, N.S.W., ceased working during February owing to stocks of crude iron ore not being available. The furnaces were idle until 7th April. The dispute at Iron Knob and Whyalla arose over the dismissal of an official of the union for disobeying orders. The man who was dismissed left the district, and the strike was declared off. Ironmoulders and ironworkers at Adelaide were involved in a dispute concerning wages during the year. This dislocation of work lasted for nearly three months. The settlement of the trouble

was delayed owing to the refusal of the employers to meet union representatives, until certain statements in a letter had been withdrawn. After negotiations between the parties an agreement was arranged, increases on existing rates of wage being conceded.

(v.) *Western Australia*.—The number of disputes (45) recorded in this State during the year 1920 is greatly in excess of the number which occurred during any previous year. The number of work people involved in the 45 disputes was 12,013, who lost 146,640 working days, with a consequential loss of £108,055 in wages. It will be seen from the table that, although the numbers of disputes and workpeople were in excess of those for the year 1919, the losses in working days and wages during the year 1920 were considerably lower than the figures for that year. The most serious dislocations of work involved workpeople in the undermentioned industries or occupations:—Iron trade employees, Perth; butchers' employees, Perth; firewood cutters, Gwalia; State public servants; tin miners, Greenbushes; lead miners, Northampton; gold miners, North Murchison, Meekatharra, etc.; wool, skin and hide store employees, Fremantle; and insurance agents, Perth. Other disputes which caused considerable losses in working days and wages involved superphosphate workers, at Fremantle; coal miners and others at Collie; plumbers, at Perth; and firewood cutters on the Kurrawang wood line. The State civil servants ceased work during July, and were absent from their offices for over two weeks. The object of the cessation of work was to obtain higher remuneration in view of the increased cost of living. Considerably over 3000 employees were involved in the dispute, including teachers, professional, clerical and general division officers. Over 1000 female employees were included in the number who ceased work.

Gold miners on the North Murchison field were out of work for nine days during October, owing to a difference of opinion concerning the reading of a clause in the award relating to time of starting and ceasing work. The men contended that the clause read that all underground workers should be lowered and hauled in the mine time. The matter was referred to arbitration, and the decision was in favour of the men. Lead miners at Northampton were successful in enforcing a demand for 13s. 4d. per shift for a week of 44 hours, instead of 48 hours per week. Work was resumed after a cessation of one month's duration. Tin miners at Greenbushes were involved in a dispute concerning wages and hours during July and August. After a conference between representatives of the parties involved, with an independent chairman, work was resumed. The matters in dispute were referred to the State Arbitration Court for final settlement.

(vi.) *Tasmania*.—Twelve stoppages of work occurred in this State during the year 1920. These disputes affected 1756 workpeople, and caused a loss of 54,283 working days, and an estimated loss in wages of £32,160. The disputes which were mainly responsible for the losses involved tin miners at Storey's Creek; timber workers at Oakwood and Stingaree Bay; miners and others, at Renison Bell; tin miners and others at Mount Bischoff; and engine-drivers at the Pioneer mine, Moorina. The marine stewards' dispute, particulars of which are given in this Section, seriously affected the holiday traffic from the mainland to Tasmania.

4. **Industrial Disputes, Classified in Industrial Groups, 1920.**—  
In the following tables particulars are given for each State and Territory, as well as for the Commonwealth, of industrial disputes which commenced during the year 1920, classified according to industrial groups. Similar information for the years 1913 to 1919 was published in Labour Reports Nos. 5 to 10.

**Industrial Disputes, Classified according to Industrial Groups, 1920.**

| INDUSTRIAL GROUP.  | No. of Disputes. | No. of Establishments involved | NO. OF WORKPEOPLE INVOLVED. |             |        | No. of Working Days Lost. | Estimated Loss in Wages |
|--|------------------|--------------------------------|-----------------------------|-------------|--------|---------------------------|-------------------------|
|  |                  |                                | Directly.                   | Indirectly. | Total. |                           |                         |
| <b>New South Wales.</b>  |                  |                                |                             |             |        |                           |                         |
| I. Wood, sawmill, timber, &c. . . . .                            | 4                | 8                              | 152                         | 29          | 181    | 789                       | £ 476                   |
| II. Engineering, metal works, &c. . . . .                        | 9                | 102                            | 4,644                       | 1,303       | 5,947  | 40,121                    | 24,611                  |
| III. Food, drink, &c., manufacturing and distribution . . . . .  | 3                | 13                             | 97                          | ..          | 97     | 125                       | 103                     |
| IV. Clothing, hats, boots, &c. . . . .                           | 1                | 1                              | 6                           | ..          | 6      | 12                        | 3                       |
| V. Books, printing, &c. . . . .                                  | 2                | 11                             | 52                          | 19          | 71     | 1,357                     | 998                     |
| VI. Other manufacturing . . . . .                                | 12               | 27                             | 2,381                       | 364         | 2,745  | 5,947                     | 3,808                   |
| VII. Building . . . . .  | 3                | 152                            | 2,544                       | 15          | 2,559  | 27,740                    | 19,092                  |
| VIII. Mines, quarries, &c. . . . .                               | 279              | 284                            | 55,218                      | 14,982      | 70,200 | 274,239                   | 238,201                 |
| IX. Railway and tramway services . . . . .                       | 7                | 7                              | 315                         | 118         | 433    | 4,716                     | 3,529                   |
| XI. Shipping, wharf labour, &c. . . . .                          | 18               | 34                             | 1,590                       | 5,511       | 7,101  | 220,050                   | 134,190                 |
| XII. Pastoral, agricultural, &c. . . . .                         | 3                | 3                              | 64                          | 8           | 72     | 264                       | 178                     |
| XIV. Miscellaneous . . . . .                                     | 8                | 8                              | 970                         | ..          | 970    | 11,796                    | 7,799                   |
| Total . . . . .  | 349              | 650                            | 68,033                      | 22,349      | 90,382 | 587,156                   | 432,988                 |
| <b>Victoria.</b>   |                  |                                |                             |             |        |                           |                         |
| II. Engineering, metal works, &c. . . . .                        | 1                | 2                              | 12                          | ..          | 12     | 144                       | 115                     |
| III. Food, drink, &c., manufacturing and distribution . . . . .  | 7                | 13                             | 1,040                       | 61          | 1,101  | 5,348                     | 2,670                   |
| IV. Clothing, hats, boots, etc. . . . .                          | 1                | 7                              | 265                         | ..          | 265    | 6,076                     | 3,402                   |
| V. Books, printing, &c. . . . .                                  | 2                | 230                            | 1,940                       | ..          | 1,940  | 113,140                   | 63,660                  |
| VI. Other manufacturing . . . . .                                | 10               | 19                             | 1,579                       | 1,280       | 2,859  | 94,592                    | 55,953                  |
| VII. Building . . . . .  | 6                | 263                            | 2,625                       | ..          | 2,625  | 58,860                    | 30,489                  |
| VIII. Mines, quarries, &c. . . . .                               | 7                | 7                              | 5,983                       | ..          | 5,983  | 111,864                   | 92,647                  |
| X. Other land transport . . . . .                                | 1                | 1                              | 2                           | ..          | 2      | 10                        | 6                       |
| XI. Shipping, wharf labour, &c. . . . .                          | 8                | 14                             | 358                         | 2,219       | 2,577  | 76,727                    | 43,851                  |
| XII. Pastoral, agricultural, &c. . . . .                         | 2                | 2                              | 82                          | ..          | 82     | 894                       | 790                     |
| XIV. Miscellaneous . . . . .                                     | 8                | 251                            | 1,388                       | 20,974      | 22,362 | 315,631                   | 162,661                 |
| Total . . . . .  | 53               | 809                            | 15,274                      | 24,534      | 39,808 | 783,286                   | 465,244                 |
| <b>Queensland.</b>   |                  |                                |                             |             |        |                           |                         |
| I. Wood, sawmill, timber, &c. . . . .                            | 1                | 7                              | 14                          | 50          | 64     | 2,978                     | 2,037                   |
| III. Food, drink, etc., manufacturing and distribution . . . . . | 7                | 7                              | 595                         | 170         | 765    | 5,213                     | 4,051                   |
| VII. Building . . . . .  | 1                | 1                              | 10                          | ..          | 10     | 20                        | 14                      |
| VIII. Mines, quarries, &c. . . . .                               | 12               | 14                             | 1,257                       | 39          | 1,296  | 3,729                     | 3,534                   |
| IX. Railway and tramway services . . . . .                       | 8                | 8                              | 520                         | 270         | 790    | 4,630                     | 3,407                   |
| XI. Shipping, wharf labour, &c. . . . .                          | 17               | 22                             | 1,076                       | 1,469       | 2,545  | 50,265                    | 30,525                  |
| XII. Pastoral, agricultural, &c. . . . .                         | 4                | 7                              | 153                         | 5           | 158    | 1,042                     | 1,086                   |
| XIII. Domestic, hotels, &c. . . . .                              | 1                | 1                              | 11                          | ..          | 11     | 44                        | 20                      |
| XIV. Miscellaneous . . . . .                                     | 4                | 4                              | 139                         | 30          | 169    | 377                       | 269                     |
| Total . . . . .  | 55               | 71                             | 3,775                       | 2,033       | 5,808  | 68,298                    | 44,943                  |
| <b>South Australia.</b>  |                  |                                |                             |             |        |                           |                         |
| I. Wood, sawmill, timber, &c. . . . .                            | 1                | 1                              | 17                          | ..          | 17     | 969                       | 790                     |
| II. Engineering, metal works, &c. . . . .                        | 2                | 18                             | 240                         | 80          | 320    | 19,480                    | 11,296                  |
| III. Food, drink, etc., manufacturing and distribution . . . . . | 4                | 4                              | 500                         | 62          | 562    | 4,858                     | 2,729                   |
| VI. Other manufacturing . . . . .                                | 5                | 24                             | 661                         | 15          | 676    | 4,068                     | 2,905                   |
| VII. Building . . . . .  | 3                | 46                             | 342                         | ..          | 342    | 7,960                     | 5,160                   |
| VIII. Mines, quarries, etc. . . . .                              | 4                | 5                              | 677                         | 70          | 747    | 32,864                    | 26,175                  |
| IX. Railway and tramway services . . . . .                       | 1                | 4                              | 45                          | ..          | 45     | 180                       | 70                      |
| XI. Shipping, wharf labour, &c. . . . .                          | 7                | 10                             | 455                         | 830         | 1,285  | 24,710                    | 15,856                  |
| XII. Pastoral, agricultural, &c. . . . .                         | 2                | 2                              | 47                          | 10          | 57     | 957                       | 770                     |
| XIV. Miscellaneous . . . . .                                     | 11               | 12                             | 1,748                       | ..          | 1,748  | 136,356                   | 74,575                  |
| Total . . . . .  | 40               | 126                            | 4,732                       | 1,067       | 5,799  | 232,402                   | 140,326                 |

## Industrial Disputes, Classified according to Industrial Groups, 1920—continued.

| INDUSTRIAL GROUP.   | No. of Disputes. | No. of establishments involved | NO. OF WORKPEOPLE INVOLVED. |             |         | No. of Working Days Lost. | Estimated Loss in Wages |
|---|------------------|--------------------------------|-----------------------------|-------------|---------|---------------------------|-------------------------|
|   |                  |                                | Directly.                   | Indirectly. | Total.  |                           |                         |
| Western Australia   |                  |                                |                             |             |         |                           |                         |
| I. Wood, sawmill, timber, &c. . .                               | 5                | 11                             | 570                         | 20          | 590     | 1,964                     | £ 1,235                 |
| II. Engineering, metal works, &c. . .                           | 2                | 38                             | 1,015                       | 18          | 1,033   | 13,363                    | 8,680                   |
| III. Food, drink, &c., manufacturing and distribution . . . . . | 3                | 102                            | 645                         | ..          | 645     | 9,190                     | 5,654                   |
| V. Books, Printing, &c. . . . .                                 | 1                | 1                              | 72                          | ..          | 72      | 288                       | 152                     |
| VI. Other manufacturing . . . . .                               | 3                | 36                             | 212                         | ..          | 212     | 4,252                     | 2,643                   |
| VII. Building . . . . .   | 4                | 117                            | 970                         | 21          | 991     | 5,019                     | 3,746                   |
| VIII. Mines, quarries, &c. . . . .                              | 8                | 33                             | 1,009                       | 1,075       | 2,084   | 23,578                    | 17,636                  |
| IX. Railway and tramway services . . . . .                      | 2                | 2                              | 77                          | ..          | 77      | 358                       | 225                     |
| XI. Shipping, wharf labour, &c. . . . .                         | 3                | 4                              | 77                          | ..          | 77      | 805                       | 597                     |
| XIII. Domestic, hotels, &c. . . . .                             | 5                | 69                             | 545                         | ..          | 545     | 4,375                     | 1,429                   |
| XIV. Miscellaneous . . . . .                                    | 9                | 21                             | 3,903                       | 1,784       | 5,687   | 83,448                    | 66,058                  |
| Total . . . . .   | 45               | 434                            | 9,095                       | 2,918       | 12,013  | 146,640                   | 108,055                 |
| Tasmania.   |                  |                                |                             |             |         |                           |                         |
| I. Wood, sawmill, timber, &c. . . . .                           | 2                | 3                              | 62                          | ..          | 62      | 2,954                     | 1,629                   |
| VI. Other Manufacturing . . . . .                               | 1                | 1                              | 850                         | ..          | 850     | 850                       | 656                     |
| VIII. Mines, quarries, &c. . . . .                              | 6                | 7                              | 587                         | 146         | 733     | 49,707                    | 29,322                  |
| XI. Shipping, wharf labour, &c. . . . .                         | 3                | 3                              | 111                         | ..          | 111     | 772                       | 553                     |
| Total . . . . .   | 12               | 14                             | 1,610                       | 146         | 1,756   | 54,283                    | 32,160                  |
| All States.   |                  |                                |                             |             |         |                           |                         |
| I. Wood, sawmill, timber, &c. . . . .                           | 13               | 30                             | 815                         | 99          | 914     | 9,654                     | 6,167                   |
| II. Engineering, metal works, &c. . . . .                       | 14               | 160                            | 5,911                       | 1,401       | 7,312   | 73,108                    | 44,702                  |
| III. Food, drink, &c., manufacturing and distribution . . . . . | 24               | 139                            | 2,877                       | 293         | 3,170   | 24,734                    | 15,207                  |
| IV. Clothing, boots, etc. . . . .                               | 2                | 8                              | 271                         | ..          | 271     | 6,088                     | 3,405                   |
| V. Books, printing, &c. . . . .                                 | 5                | 242                            | 2,064                       | 19          | 2,083   | 114,785                   | 64,810                  |
| VI. Other manufacturing . . . . .                               | 31               | 107                            | 5,683                       | 1,659       | 7,342   | 109,709                   | 65,965                  |
| VII. Building . . . . .   | 17               | 579                            | 6,491                       | 36          | 6,527   | 99,599                    | 67,501                  |
| VIII. Mines, quarries, &c. . . . .                              | 316              | 350                            | 64,731                      | 16,312      | 81,043  | 495,981                   | 407,515                 |
| IX. Railway and tramway services . . . . .                      | 18               | 21                             | 957                         | 388         | 1,345   | 9,884                     | 7,231                   |
| X. Other land transport . . . . .                               | 1                | 1                              | 2                           | ..          | 2       | 10                        | 6                       |
| XI. Shipping, wharf labour, &c. . . . .                         | 56               | 87                             | 3,667                       | 10,029      | 13,696  | 373,329                   | 225,572                 |
| XII. Pastoral, agricultural, &c. . . . .                        | 11               | 14                             | 346                         | 23          | 369     | 3,157                     | 2,824                   |
| XIII. Domestic, hotels, &c. . . . .                             | 6                | 70                             | 556                         | ..          | 556     | 4,419                     | 1,449                   |
| XIV. Miscellaneous . . . . .                                    | 40               | 296                            | 8,148                       | 22,788      | 30,936  | 547,608                   | 311,362                 |
| Total . . . . .   | 554              | 2,104                          | 102,519                     | 53,047      | 155,566 | 1,872,065                 | 1,223,716               |

Any comparison as to the frequency of industrial disputes in classified industries can only be reasonably made after omitting those which are recorded for mining, quarrying, etc. (Group VIII.). For the year 1913 the proportion of disputes in those industries represented practically 50 per cent. of the total number recorded. During the year 1914 this proportion rose to 55 per cent., and during 1915 to 57 per cent. In 1916, 1917, 1918, and 1919, however, the proportion of disputes in Group VIII. shewed a decrease, the figures representing 47, 45, 45, and 50 per cent. of the total number of disputes during the respective years. In the year 1920, 316 disputes, or 57 per cent. of the total number during the year, occurred in the mining industry. In recognising this preponderating influence, attention has frequently been drawn to the considerable proportion contributed by the coal mining industry in New South Wales. In making any comparison as to the number of disputes in this industrial class in each State, it should be observed that the number of workers engaged in the mining industry is very much larger in New South Wales

than in any of the other States, although even after allowance is made on this account it will be found that there is still an excessive proportion of industrial trouble in that State. Of the 316 dislocations of work which involved employees in the mining industry during the year 1920, 279 occurred in New South Wales, 7 in Victoria, 12 in Queensland, 4 in South Australia, 8 in Western Australia, and 6 in Tasmania.

In Labour Bulletin No. 9, Section XIV., "Prohibition of Strikes and Lock-outs in Australia," the prevalence of industrial disputes in the mining industry was investigated, vide pp. 103-4. Further investigation on these lines has not been continued, as the figures for subsequent years include particulars of disputes of such magnitude as to make comparison valueless.

Of the total number of working days lost and the estimated total loss in wages due to disputes which commenced during the year 1920, 26 per cent. and 33 per cent. respectively were due to stoppages which involved employees in the mining and quarrying industries (Group VIII.), as compared with 53 per cent. and 60 per cent. during the year 1919.

The number of disputes which occurred in the shipping industry (Group XI.) during the year 1920, was 56, involving 13,696 workpeople, and causing losses of 373,329 working days and £225,572 in wages. The dislocation of work in which the marine stewards on interstate vessels were involved caused the greater part of these losses. This dispute commenced on the 15th December and continued until the 25th January, 1921, when the men declared the strike off. The trouble arose over the refusal of the shipping companies to concede the men's demand for a reduction of time in which their daily hours of work were to be performed. An important point in the men's claim was that the "spread" of hours in which a period of eight hours was worked, should start at 6.30 a.m., and end at 8 p.m., which meant a reduction of "spread" from fifteen to thirteen and a half hours, but the shipowners, while agreeing to the claim for an eight-hour day's work at sea, stipulated a "spread" of fifteen hours. Negotiations having failed, the men gave 24 hours' notice of their intention to leave the vessels at their home ports, and did so. The Tasmanian boats were first affected, and the trouble extended until interstate shipping was entirely suspended. People who had arranged to visit Tasmania during the Christmas holidays were unable to do so, and hotel and boarding-house keepers in that State catering for tourists suffered serious financial loss. Wharf labourers, tally clerks, carters and other employees closely connected with the shipping industry were immediately thrown out of employment. Restrictions placed upon the use of coal, gas, and electric power, caused many factories to close down, and thousands of workpeople were entirely out of work or working part time. In Victoria, although the industrial position was bad, it was not so serious as during previous dislocations. Many proprietors of factories had installed oil and other engines, with the object of carrying on during periods when coal or power was not available. These provisions lessened somewhat the number of unemployed. The dispute, so far as the marine stewards were concerned, terminated on the 25th January, when the men decided in favour of resuming work unconditionally. The shipping trouble, however, had not yet ended, as the shipowners required a guarantee from the officials of the Seamen's Union that "job control" would cease. It will be seen, therefore, that a new



dispute arose on the 26th January. The losses caused by the second dispute are not included in the tabulations for the year 1920. Interstate shipping was not resumed until the 26th February. A number of disputes occurred on vessels during the latter part of the year 1920, over the question of "manning." The men refused to take the vessels to sea until the demand for the employment of additional assistance was conceded. The owners had in most cases granted these claims, but on the termination of the marine stewards' dispute they declined to recommission the ships until the executive council of the Seamen's Union gave an assurance that no similar demands would be made in future, but that when an augmentation of the crew or stokehold manning, increased accommodation, or other concessions were desired, they would be sought by constitutional means only, and not by the exercise of job control or direct action. Further details in regard to the effect and result of the combined disputes will be given in the next Report.

Employees in the printing trade were implicated in 5 disputes during the year 1920. The principal dispute in this industry occurred in Victoria. Forty dislocations of work were classified in Group XIV. (Miscellaneous). The number of workpeople affected by these stoppages was 30,936, of whom 8148 were directly and 22,788 indirectly involved. The loss in working days (547,608) caused by these disputes was greater than the loss (495,981 days) caused by the 317 dislocations classified in Group VIII. (Mines, Quarries, etc.). Nearly fifty per cent. of the losses in Group XIV. was caused by the factory engine-drivers' dispute in Victoria. Other dislocations of work which were mainly responsible for the balance of the losses shewn in this Group were those affecting the undermentioned workpeople :—Waterworks construction labourers at Murray Weir and Torrumbarry Weir, Victoria ; waterworks construction labourers at Cobdogla and Cadell and at Jervois, South Australia ; firewood cutters, Gwalia ; and State public servants, Western Australia. The number of disputes classified in Group VI. (Other Manufacturing) was 31, in which 7342 workpeople were involved. Over eighty per cent. of the losses in this group was caused by the gas workers' dispute at Melbourne during June and July. Workpeople in the building trade (Group VII.) numbering 6527 were involved in disputes during the year. The principal cause of the dislocations of work in the building trade was the refusal of the employers to concede the demands of the various sections of the trade for a reduction in the number of hours in a working week.

The stoppages which were chiefly responsible for the losses in the other industrial groups were those in which workpeople in the following occupations were involved :—In Group I. (Wood, Sawmill, etc.), furniture makers, Brisbane ; coopers, Mile End, South Australia ; and timber workers, Oakwood, Tasmania. In Group II. (Engineering, etc.), ironworkers, Lithgow ; iron moulders and iron workers, Adelaide ; and iron workers, Perth. In Group III. (Food, Drink, etc.), State butchery employees, Townsville ; liquor trade employees, Adelaide ; and retail meat trade employees, Perth, and in Group IX. (Railway and Tramway services), trolley loaders, railway construction works, Griffiths, N.S.W. ; and railway construction workers, Proserpine-Mackay line, Queensland.

5. **Duration of Industrial Disputes.**—The duration of each industrial dispute involving a loss of work, *i.e.*, the period which expires between the cessation and resumption of work, is for statistical purposes computed in working days, exclusive of Sundays and holidays, except in those cases where the establishment involved carries on a continuous process (*e.g.*, Metal Smelting and Cement Manufacture). For the purpose of tabulating comparative results as to the number of disputes, workpeople involved (directly and indirectly) and the consequent loss of working time and wages, the particulars relating to each dispute are classified according to varying periods over which the dispute remained unsettled. The following limitations of time have been adopted :—(a) One day or less ; (b) two days and more than one day ; (c) three days and more than two days ; (d) over three days and under six days (the latter considered as constituting one week) ; (e) one week and under two weeks ; (f) two weeks and under four weeks ; (g) four weeks and under eight weeks ; and (h) eight weeks and over.

Where a settlement of a dispute is reached and all the workpeople involved return to work at the same time, the duration of the dispute is readily determined. In other disputes (mainly those extending over long periods) varying conditions arise which tend to complicate the situation, such as (a) a proportion of the workpeople involved obtaining other employment ; (b) a certain number of other workpeople being temporarily employed ; and (c) the establishment involved in the dispute being closed down indefinitely and work abandoned. In such cases the dispute is considered to have terminated and its duration determined, either when a sufficient number of other workpeople have been engaged to enable the establishment to be carried on (substantially as before the dispute), or when evidence is obtained that the establishment has been closed down indefinitely and work abandoned. Anomalous positions have been reached in some instances. In one case a dispute remained technically in existence so far as the workpeople were concerned, even after the establishment had been closed down and work therein abandoned. In another, a dispute was considered by the workpeople to be still in existence, notwithstanding that their places had been filled and the establishment had resumed operations.

(i.) *Duration of Industrial Disputes in Commonwealth, 1913-1920.*—In the following table comparative particulars are given with respect to the number of disputes, workpeople directly and indirectly involved, working days lost, and estimated amount of loss in wages respectively, consequent upon the cessations of work, which were recorded for the Commonwealth during the years 1913 to 1920, classified under the specified limits of duration :—

## Duration of Industrial Disputes in the Commonwealth, 1913-1920.

| Limit of Duration.                         | Year. | No. of Disputes. | No. of Workpeople Involved. |             |         | Number of Working Days Lost. | Total Estimated Loss in Wages. £ |
|--|-------|------------------|-----------------------------|-------------|---------|------------------------------|----------------------------------|
|  |       |                  | Directly.                   | Indirectly. | Total.  |                              |                                  |
| 1 day and less ..                          | 1913  | 66               | 9,698                       | 5,075       | 14,773  | 14,773                       | 8,168                            |
|  | 1914  | 118              | 15,295                      | 10,192      | 25,487  | 25,438                       | 13,744                           |
|  | 1915  | 147              | 21,846                      | 11,326      | 33,172  | 31,559                       | 19,452                           |
|  | 1916  | 155              | 55,680                      | 10,711      | 66,391  | 65,757                       | 35,293                           |
|  | 1917  | 158              | 28,705                      | 6,758       | 35,463  | 35,065                       | 26,733                           |
|  | 1918  | 74               | 11,062                      | 4,534       | 15,596  | 15,264                       | 12,364                           |
|  | 1919  | 154              | 29,218                      | 11,825      | 41,043  | 40,977                       | 35,639                           |
|  | 1920  | 226              | 40,603                      | 10,225      | 50,828  | 49,862                       | 49,610                           |
| 2 days and more than 1 day ..              | 1913  | 22               | 2,631                       | 1,945       | 4,576   | 9,022                        | 4,449                            |
|  | 1914  | 53               | 6,309                       | 3,352       | 9,661   | 18,382                       | 8,986                            |
|  | 1915  | 44               | 6,671                       | 2,246       | 8,917   | 17,794                       | 9,464                            |
|  | 1916  | 57               | 11,607                      | 5,923       | 17,530  | 31,775                       | 17,672                           |
|  | 1917  | 47               | 7,093                       | 2,383       | 9,476   | 18,917                       | 12,253                           |
|  | 1918  | 40               | 9,720                       | 1,714       | 11,434  | 20,746                       | 14,274                           |
|  | 1919  | 59               | 10,973                      | 2,767       | 13,740  | 26,561                       | 20,210                           |
|  | 1920  | 62               | 11,443                      | 2,965       | 14,408  | 27,114                       | 23,705                           |
| 3 days and more than 2 days ..             | 1913  | 17               | 1,294                       | 610         | 1,904   | 5,707                        | 2,946                            |
|  | 1914  | 29               | 2,983                       | 1,987       | 4,970   | 14,910                       | 7,500                            |
|  | 1915  | 30               | 3,526                       | 1,513       | 5,039   | 14,944                       | 7,672                            |
|  | 1916  | 45               | 8,050                       | 5,220       | 13,270  | 39,419                       | 23,612                           |
|  | 1917  | 29               | 4,363                       | 433         | 4,796   | 14,340                       | 9,442                            |
|  | 1918  | 33               | 5,012                       | 2,530       | 7,542   | 22,042                       | 13,618                           |
|  | 1919  | 36               | 6,724                       | 3,149       | 9,873   | 29,371                       | 20,944                           |
|  | 1920  | 43               | 7,286                       | 1,687       | 8,973   | 26,739                       | 23,056                           |
| Over 3 one and less than one week (6 days) | 1913  | 25               | 3,785                       | 1,004       | 4,789   | 19,057                       | 8,940                            |
|  | 1914  | 38               | 2,252                       | 2,117       | 4,369   | 19,728                       | 9,449                            |
|  | 1915  | 31               | 5,032                       | 3,153       | 8,185   | 36,469                       | 21,176                           |
|  | 1916  | 81               | 13,460                      | 5,918       | 19,378  | 86,817                       | 50,484                           |
|  | 1917  | 39               | 4,749                       | 1,578       | 6,327   | 27,132                       | 16,868                           |
|  | 1918  | 31               | 2,404                       | 98          | 2,502   | 11,100                       | 7,697                            |
|  | 1919  | 52               | 9,165                       | 1,815       | 10,980  | 48,935                       | 36,147                           |
|  | 1920  | 58               | 10,228                      | 1,819       | 12,047  | 52,601                       | 41,572                           |
| 1 week and less than 2 weeks ..            | 1913  | 34               | 7,551                       | 1,972       | 9,523   | 72,156                       | 32,700                           |
|  | 1914  | 38               | 5,222                       | 1,206       | 6,428   | 53,108                       | 27,868                           |
|  | 1915  | 48               | 11,372                      | 4,184       | 15,556  | 127,477                      | 41,875                           |
|  | 1916  | 64               | 8,081                       | 5,493       | 13,574  | 108,978                      | 60,933                           |
|  | 1917  | 58               | 9,003                       | 1,669       | 10,672  | 79,857                       | 47,336                           |
|  | 1918  | 45               | 5,896                       | 1,634       | 7,530   | 60,967                       | 42,514                           |
|  | 1919  | 68               | 15,670                      | 2,171       | 17,841  | 132,501                      | 86,101                           |
|  | 1920  | 66               | 10,359                      | 3,100       | 13,459  | 107,364                      | 77,022                           |
| 2 weeks and less than 4 weeks ..           | 1913  | 21               | 1,439                       | 4,671       | 6,110   | 76,260                       | 41,040                           |
|  | 1914  | 30               | 6,382                       | 4,491       | 10,873  | 181,896                      | 91,419                           |
|  | 1915  | 21               | 4,101                       | 624         | 4,725   | 64,959                       | 47,404                           |
|  | 1916  | 41               | 8,565                       | 3,960       | 12,525  | 202,657                      | 117,211                          |
|  | 1917  | 38               | 10,190                      | 2,654       | 12,844  | 210,184                      | 118,362                          |
|  | 1918  | 35               | 2,966                       | 1,251       | 4,217   | 62,654                       | 43,700                           |
|  | 1919  | 32               | 4,852                       | 7,312       | 12,164  | 166,998                      | 102,428                          |
|  | 1920  | 43               | 9,549                       | 22,530      | 31,579  | 412,219                      | 243,031                          |
| 4 weeks and less than 8 weeks ..           | 1913  | 11               | 6,206                       | 1,177       | 7,383   | 273,342                      | 121,864                          |
|  | 1914  | 17               | 823                         | 719         | 1,542   | 52,674                       | 26,717                           |
|  | 1915  | 22               | 2,723                       | 681         | 3,404   | 95,836                       | 51,761                           |
|  | 1916  | 32               | 19,348                      | 3,207       | 22,555  | 644,960                      | 402,471                          |
|  | 1917  | 49               | 45,338                      | 1,823       | 47,161  | 1,615,954                    | 821,402                          |
|  | 1918  | 23               | 3,365                       | 1,272       | 4,637   | 169,911                      | 107,157                          |
|  | 1919  | 26               | 4,707                       | 3,281       | 7,988   | 247,106                      | 159,921                          |
|  | 1920  | 24               | 6,027                       | 10,839      | 16,866  | 539,639                      | 332,125                          |
| 8 weeks and over ..                        | 1913  | 12               | 889                         | 336         | 1,225   | 153,211                      | 67,632                           |
|  | 1914  | 14               | 3,807                       | 3,912       | 7,719   | 724,259                      | 365,545                          |
|  | 1915  | 15               | 1,734                       | 560         | 2,294   | 194,187                      | 100,829                          |
|  | 1916  | 33               | 3,755                       | 1,705       | 5,460   | 498,567                      | 259,928                          |
|  | 1917  | 26               | 44,620                      | 2,611       | 47,231  | 2,598,209                    | 1,542,412                        |
|  | 1918  | 17               | 2,128                       | 853         | 2,981   | 218,169                      | 131,010                          |
|  | 1919  | 33               | 18,991                      | 24,971      | 43,962  | 5,615,777                    | 3,490,546                        |
|  | 1920  | 32               | 7,024                       | 382         | 7,406   | 656,527                      | 433,595                          |
| Total ..                                   | 1913  | 208              | 33,493                      | 16,790      | 50,283  | 623,528                      | 287,739                          |
|  | 1914  | 337              | 43,073                      | 27,976      | 71,049  | 1,090,395                    | 551,228                          |
|  | 1915  | 358              | 57,005                      | 24,287      | 81,292  | 583,225                      | 299,633                          |
|  | 1916  | 508              | 128,546                     | 42,137      | 170,683 | 1,678,930                    | 967,604                          |
|  | 1917  | 444              | 154,061                     | 19,909      | 173,970 | 4,599,658                    | 2,594,808                        |
|  | 1918  | 298              | 42,553                      | 13,886      | 56,439  | 580,853                      | 372,334                          |
|  | 1919  | 460              | 100,300                     | 57,291      | 157,591 | 6,308,226                    | 3,951,936                        |
|  | 1920  | 554              | 102,519                     | 53,047      | 155,566 | 1,872,065                    | 1,223,716                        |

It will be seen from the tables shewing the duration of industrial disputes, that for the past eight years disputes lasting for one day or less were the most frequent. In 1913 the first year for which particulars were collected, stoppages of one day or less represented 32 per cent. of the total number, while they equalled in 1914, 35 per cent. ; in 1915, 41 per cent. ; in 1916, 31 per cent. ; in 1917, 36 per cent. ; in 1918, 25 per cent. ; in 1919, 33 per cent. ; and in 1920, 41 per cent.

Disputes which terminated in less than one week represented 62 per cent. of the total number in 1913 ; 71 per cent. in 1914 ; 70 per cent. in 1915 ; 67 per cent. in 1916 ; 61 per cent. in 1917 ; 60 per cent. in 1918 ; 65 per cent. in 1919 ; and 70 per cent. in 1920. The disputes which continued for four weeks or over were responsible for the greater part of the losses in working days and wages in each of the years for which particulars have been recorded.

Disputes lasting over four weeks in 1919 represented 13 per cent. of the total number recorded, were responsible for 93 per cent. of the total number of working days lost, and were the cause of 92 per cent. of the estimated loss in wages during that year. The corresponding percentages for the year 1920 are 10 per cent. of the total number of disputes, 64 per cent. of the total loss in working days, and 63 per cent. of the loss in wages. During the year 1920 thirty-two disputes continued for a period of eight weeks or over, causing a loss of 656,527 working days, and an estimated loss in wages of £433,595. These figures shew a marked decrease, as compared with those for the year 1919, when the figures were exceptionally large, as the thirty-three disputes which continued for a period of eight weeks or over caused a loss of 5,615,777 working days, and an estimated loss of £3,490,546 in wages. The twenty-six disputes which were classified in this duration group during the year 1917, were responsible for considerable losses in working days and wages.

(ii.) *Duration of Industrial Disputes in each State and Territory.*—In the following tables particulars are given for each State and Territory of the number of disputes which commenced during the year 1920, and relative information, classified according to the adopted limits of duration. Comparative particulars for the years 1913 to 1919 were published in Labour Reports Nos. 5 to 10.

## Duration of Industrial Disputes in each State and Territory, 1920.

| Limits of Duration.              | N.S.W. | Vic. | Q'land. | S.A. | W.A. | Tas. | N.T. | C'wth. |
|----------------------------------|--------|------|---------|------|------|------|------|--------|
| 1 day and less .. ..             | 189    | 12   | 14      | 6    | 4    | 1    | ..   | 226    |
| 2 days and more than 1 day ..    | 42     | 3    | 9       | 3    | 4    | 1    | ..   | 62     |
| 3 days and more than 2 days ..   | 28     | 2    | 7       | 2    | 3    | 1    | ..   | 43     |
| Over 3 days & less than 1 wk ..  | 34     | 5    | 8       | 5    | 6    | ..   | ..   | 58     |
| 1 week and less than 2 weeks ..  | 23     | 12   | 9       | 9    | 11   | 2    | ..   | 66     |
| 2 weeks and less than 4 weeks .. | 15     | 8    | 4       | 5    | 9    | 2    | ..   | 43     |
| 4 weeks and less than 8 weeks .. | 8      | 6    | 1       | 3    | 5    | 1    | ..   | 24     |
| 8 weeks and over .. ..           | 10     | 5    | 3       | 7    | 3    | 4    | ..   | 32     |
| Total .. ..                      | 349    | 53   | 55      | 40   | 45   | 12   | ..   | 554    |

## NUMBER OF DISPUTES.

|                                  |     |    |    |    |    |    |    |     |
|----------------------------------|-----|----|----|----|----|----|----|-----|
| 1 day and less .. ..             | 189 | 12 | 14 | 6  | 4  | 1  | .. | 226 |
| 2 days and more than 1 day ..    | 42  | 3  | 9  | 3  | 4  | 1  | .. | 62  |
| 3 days and more than 2 days ..   | 28  | 2  | 7  | 2  | 3  | 1  | .. | 43  |
| Over 3 days & less than 1 wk ..  | 34  | 5  | 8  | 5  | 6  | .. | .. | 58  |
| 1 week and less than 2 weeks ..  | 23  | 12 | 9  | 9  | 11 | 2  | .. | 66  |
| 2 weeks and less than 4 weeks .. | 15  | 8  | 4  | 5  | 9  | 2  | .. | 43  |
| 4 weeks and less than 8 weeks .. | 8   | 6  | 1  | 3  | 5  | 1  | .. | 24  |
| 8 weeks and over .. ..           | 10  | 5  | 3  | 7  | 3  | 4  | .. | 32  |
| Total .. ..                      | 349 | 53 | 55 | 40 | 45 | 12 | .. | 554 |

## NUMBER OF WORKPEOPLE INVOLVED.

|                                  |        |        |       |       |        |       |    |         |
|----------------------------------|--------|--------|-------|-------|--------|-------|----|---------|
| 1 day and less .. ..             | 45,174 | 2,200  | 1,109 | 720   | 775    | 850   | .. | 50,828  |
| 2 days and more than 1 day ..    | 9,637  | 2,913  | 773   | 214   | 827    | 44    | .. | 14,408  |
| 3 days and more than 2 days ..   | 6,471  | 1,455  | 897   | 617   | 899    | 44    | .. | 8,973   |
| Over 3 days & less than 1 wk ..  | 9,878  | 1,073  | 602   | 204   | 290    | ..    | .. | 12,047  |
| 1 week and less than 2 weeks ..  | 7,951  | 748    | 605   | 1,076 | 2,666  | 413   | .. | 13,459  |
| 2 weeks and less than 4 weeks .. | 3,357  | 21,957 | 307   | 188   | 5,709  | 61    | .. | 31,579  |
| 4 weeks and less than 8 weeks .. | 6,543  | 7,258  | 1,373 | 1,005 | 664    | 23    | .. | 16,866  |
| 8 weeks and over .. ..           | 1,371  | 3,614  | 142   | 1,775 | 183    | 321   | .. | 7,406   |
| Total .. ..                      | 90,382 | 39,808 | 5,808 | 5,799 | 12,013 | 1,756 | .. | 155,566 |

## NUMBER OF WORKING DAYS LOST.

|                                  |         |         |        |         |         |        |    |           |
|----------------------------------|---------|---------|--------|---------|---------|--------|----|-----------|
| 1 day and less .. ..             | 44,397  | 2,182   | 1,091  | 697     | 645     | 850    | .. | 49,862    |
| 2 days and more than 1 day ..    | 19,174  | 4,346   | 1,431  | 428     | 1,647   | 88     | .. | 27,114    |
| 3 days and more than 2 days ..   | 19,413  | 135     | 2,511  | 1,851   | 2,697   | 132    | .. | 26,739    |
| Over 3 days & less than 1 wk ..  | 42,893  | 4,887   | 2,657  | 863     | 1,296   | ..     | .. | 52,601    |
| 1 week and less than 2 weeks ..  | 68,567  | 5,927   | 4,688  | 7,892   | 16,274  | 4,106  | .. | 107,364   |
| 2 weeks and less than 4 weeks .. | 47,338  | 265,222 | 4,158  | 3,511   | 91,203  | 787    | .. | 412,219   |
| 4 weeks and less than 8 weeks .. | 216,276 | 228,081 | 42,232 | 29,064  | 23,440  | 552    | .. | 539,639   |
| 8 weeks and over .. ..           | 129,099 | 272,506 | 9,530  | 188,186 | 9,438   | 47,768 | .. | 656,527   |
| Total .. ..                      | 587,156 | 783,286 | 68,298 | 232,402 | 146,640 | 54,283 | .. | 1,872,065 |

## ESTIMATED LOSS IN WAGES.

|                                  |          |         |        |         |         |        |      |           |
|----------------------------------|----------|---------|--------|---------|---------|--------|------|-----------|
| 1 day and less .. ..             | £ 45,201 | £ 1,951 | £ 865  | £ 423   | £ 514   | £ 656  | £ .. | £ 49,610  |
| 2 days and more than 1 day ..    | 17,494   | 3,160   | 1,327  | 359     | 1,282   | 83     | ..   | 23,705    |
| 3 days and more than 2 days ..   | 17,501   | 95      | 1,883  | 1,320   | 2,187   | 70     | ..   | 23,056    |
| Over 3 days & less than 1 wk ..  | 35,594   | 2,880   | 1,880  | 557     | 661     | ..     | ..   | 41,572    |
| 1 week and less than 2 weeks ..  | 51,164   | 3,452   | 3,588  | 5,380   | 11,149  | 2,239  | ..   | 77,022    |
| 2 weeks and less than 4 weeks .. | 34,637   | 132,859 | 3,386  | 2,028   | 69,664  | 457    | ..   | 243,031   |
| 4 weeks and less than 8 weeks .. | 133,355  | 138,107 | 25,295 | 18,300  | 16,668  | 400    | ..   | 332,125   |
| 8 weeks and over .. ..           | 98,042   | 182,740 | 6,719  | 111,959 | 5,930   | 23,205 | ..   | 433,595   |
| Total .. ..                      | 432,988  | 465,244 | 44,943 | 140,326 | 108,055 | 32,160 | ..   | 1,223,716 |

It will be observed that no less than 226 of the 554 industrial disputes recorded during 1920 were of one day or less duration. Of these short dislocations 189 occurred in New South Wales, and the disputes in this State, with few exceptions, involved workpeople in the coal mining industry. The number of employees affected by these 189 stoppages of work was 45,174, or 50 per cent. of the total number involved in all disputes in the State during the year. Disputes lasting eight weeks or over

were responsible for the heaviest losses in working days and wages, the thirty-two dislocations classified in this duration group causing a loss of 656,527 working days and an estimated loss of £433,595 in wages.

6. **Causes of Industrial Disputes.**—The object which is alleged (by the employers and on behalf of the employees) to have been the cause of a stoppage of work does not in every instance agree in detail. In such instances additional information is sought to verify or support the contention on either side. On occasions, the alleged object is of a twofold character, in which case the claim, which is fully or partially satisfied, and results in a resumption of work, is taken to be the principal cause of the dispute. For the purpose of classification these causes (or objects) of industrial disputes are grouped under seven main headings, viz.:—(1) *Wages*; (2) *Hours of Labour*; (3) *Employment of Particular Classes or Persons*; (4) *Working Conditions*; (5) *Trade Unionism*; (6) *Sympathy*; and (7) *Other Causes*. The first five mentioned groups are subdivided in the following manner to meet varying phases of demands made under each of the main headings:—

#### Classification of Causes of Industrial Disputes.

- |  |  |
|--|--|
| 1. <i>Wages.</i>                                       | (c) For reinstatement of discharged employees.   |
| (a) For increase.                                      | (d) Against employment of certain officials.     |
| (b) Against decrease.                                  | (e) Other questions concerning employment.       |
| (c) System of payment.                                 |  |
| (d) Readjustment of rates.                             | 4. <i>Working Conditions and Discipline</i>      |
| (e) Other wage questions.                              | (a) For change.                                  |
|  | (b) Against change.                              |
| 2. <i>Hours of Labour.</i>                             | (c) Other.                                       |
| (a) For reduction.                                     | 5. <i>Trade Unionism</i>                         |
| (b) Other questions concerning hours.                  | (a) For closed shop—Employment of non-unionists. |
|  | (b) Other union questions.                       |
| 3. <i>Employment of Particular Classes or Persons.</i> | 6. <i>Sympathy.</i>                              |
| (a) Employment of women instead of men.                | 7. <i>Other Causes.*</i>                         |
| (b) Employment of apprentices                          |  |

(i.) *Causes of Industrial Disputes in the Commonwealth, 1913-1920.*—In the following tables particulars are given with respect to the number of disputes, total number of workpeople involved and number of working days lost throughout the Commonwealth during the eight years 1913 to 1920, classified according to causes:—

\* "Other causes" has been adopted to meet various sets of circumstances, which mainly arise in connection with stoppages which are not concerted movements, and include among others the following:—(a) During the course of a meeting of miners, the wheelers return their horses to the stables and leave the colliery; (b) disputes (not necessarily connected with industrial matters that the employer can control) arise between wheelers and clippers or any two sets of workers, and sufficient workmen are not available to work the mine to its full capacity; (c) workmen abstain from work to attend the Police Court to hear prosecutions against certain other employees; (d) to witness some amusement; or (e) for other reasons which are subsequently ruled by the officials of the union to be either impracticable or against former decisions.



## Causes of Industrial Disputes in the Commonwealth, 1913-1920.

| Causes of Disputes.                               | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| NUMBER OF DISPUTES.                               |       |       |       |       |       |       |       |       |
| 1. Wages—   |       |       |       |       |       |       |       |       |
| (a) For increase ..                               | 42    | 50    | 73    | 125   | 53    | 54    | 99    | 94    |
| (b) Against decrease ..                           | 4     | 3     | 10    | 7     | 1     | 4     | 2     | ..    |
| (c) Other wage questions                          | 31    | 67    | 46    | 96    | 69    | 69    | 100   | 106   |
| 2. Hours of Labour—                               |       |       |       |       |       |       |       |       |
| (a) For reduction ..                              | 3     | 1     | 3     | 16    | 2     | 1     | 4     | 16    |
| (b) Other disputes <i>re</i> hours                | 7     | 13    | 6     | 5     | 8     | 11    | 5     | 9     |
| 3. Trades Unionism—                               |       |       |       |       |       |       |       |       |
| (a) Against employment of non-unionists ..        | 8     | 13    | 19    | 14    | 26    | 7     | 19    | 20    |
| (b) Other union questions                         | 5     | 11    | 16    | 8     | 32    | 19    | 29    | 27    |
| 4. Employment of particular Classes or Persons .. | 44    | 83    | 76    | 83    | 90    | 92    | 118   | 135   |
| 5. Working Conditions ..                          | 51    | 72    | 76    | 90    | 81    | 34    | 54    | 106   |
| 6. Sympathetic ..                                 | 5     | 3     | 6     | 20    | 57    | 1     | 6     | 2     |
| 7. Other Causes ..                                | 8     | 21    | 27    | 44    | 25    | 6     | 24    | 39    |
| Total ..  | 208   | 337   | 358   | 508   | 444   | 298   | 460   | 554   |

## NUMBER OF WORKPEOPLE INVOLVED.

|   |        |        |        |         |         |        |         |         |
|---|--------|--------|--------|---------|---------|--------|---------|---------|
| 1. Wages—   |        |        |        |         |         |        |         |         |
| (a) For increase ..                               | 8,633  | 7,362  | 18,783 | 30,193  | 7,135   | 7,095  | 58,532  | 41,748  |
| (b) Against decrease ..                           | 563    | 534    | 1,113  | 1,051   | 21      | 57     | 667     | ..      |
| (c) Other wage questions                          | 7,160  | 15,243 | 11,990 | 23,507  | 18,894  | 12,737 | 26,222  | 21,139  |
| 2. Hours of Labour—                               |        |        |        |         |         |        |         |         |
| (a) For reduction ..                              | 460    | 220    | 896    | 24,481  | 1,004   | 26     | 578     | 20,758  |
| (b) Other disputes <i>re</i> hours                | 1,819  | 3,237  | 2,643  | 579     | 2,576   | 4,214  | 961     | 2,137   |
| 3. Trades Unionism—                               |        |        |        |         |         |        |         |         |
| (a) Against employment of non-unionists ..        | 5,370  | 5,807  | 3,873  | 1,178   | 6,182   | 710    | 9,001   | 2,752   |
| (b) Other union questions                         | 1,418  | 1,593  | 3,739  | 1,167   | 17,320  | 6,673  | 17,509  | 7,534   |
| 4. Employment of particular Classes or Persons .. | 11,370 | 14,863 | 13,844 | 15,910  | 15,445  | 14,576 | 21,488  | 26,163  |
| 5. Working Conditions ..                          | 10,785 | 17,053 | 16,114 | 20,516  | 19,021  | 7,757  | 11,582  | 21,204  |
| 6. Sympathetic ..                                 | 947    | 675    | 950    | 4,191   | 76,076  | 200    | 3,080   | 1,397   |
| 7. Other Causes ..                                | 1,758  | 4,462  | 7,347  | 47,910  | 10,296  | 2,394  | 7,971   | 10,734  |
| Total ..  | 50,283 | 71,049 | 81,292 | 170,683 | 173,970 | 56,439 | 157,591 | 155,566 |

## NUMBER OF WORKING DAYS LOST.

|   |         |           |         |           |           |         |           |           |
|---|---------|-----------|---------|-----------|-----------|---------|-----------|-----------|
| 1. Wages—   |         |           |         |           |           |         |           |           |
| (a) For increase ..                               | 100,069 | 99,451    | 190,645 | 592,625   | 56,083    | 198,323 | 5,403,581 | 793,935   |
| (b) Against decrease ..                           | 9,438   | 32,965    | 12,555  | 6,192     | 42        | 316     | 10,013    | ..        |
| (c) Other wage questions                          | 78,183  | 169,847   | 133,606 | 143,248   | 225,080   | 97,561  | 96,118    | 101,219   |
| 2. Hours of Labour—                               |         |           |         |           |           |         |           |           |
| (a) For reduction ..                              | 2,774   | 9,240     | 836     | 583,052   | 78,016    | 312     | 10,372    | 534,458   |
| (b) Other disputes <i>re</i> hours                | 15,111  | 16,855    | 23,374  | 1,598     | 62,560    | 20,551  | 15,760    | 37,486    |
| 3. Trades Unionism—                               |         |           |         |           |           |         |           |           |
| (a) Against employment of non-unionists ..        | 91,002  | 92,720    | 31,145  | 48,881    | 87,600    | 21,894  | 279,804   | 24,900    |
| (b) Other union questions                         | 32,388  | 6,968     | 7,434   | 10,276    | 572,949   | 24,341  | 329,205   | 21,999    |
| 4. Employment of particular Classes or Persons .. | 191,723 | 64,367    | 77,862  | 70,452    | 47,297    | 113,466 | 87,225    | 129,215   |
| 5. Working Conditions ..                          | 73,562  | 584,289   | 82,322  | 81,511    | 211,971   | 93,468  | 32,029    | 128,967   |
| 6. Sympathetic ..                                 | 24,066  | 2,125     | 6,004   | 75,447    | 3,239,798 | 7,200   | 21,050    | 72,940    |
| 7. Other Causes ..                                | 5,212   | 11,568    | 17,442  | 65,648    | 18,262    | 3,421   | 23,069    | 26,946    |
| Total ..  | 623,528 | 1,090,395 | 583,225 | 1,678,930 | 4,599,658 | 580,853 | 6,308,226 | 1,872,065 |

It will be seen from the above table that the main causes of industrial disputes are "Wage" questions, "Working Conditions" and "Employment of Particular Classes or Persons." In each of the eight years 1913-1920, the number of dislocations concerning wages exceeded those caused by any other question. In 1913 the number of stoppages over wage questions represented 37 per cent. of the total number during that year, as compared with 36 per cent. in 1914; 36 per cent. in 1915; 45 per cent. in 1916; 28 per cent. in 1917; 43 per cent. in 1918; 44 per cent. in 1919, and 36 per cent. in 1920. The majority of the

disputes classified under the heading, "Employment of Particular Classes or Persons," are stoppages of work for the purpose of protesting against the dismissal of certain employees, who, in the opinion of their fellow-workers, have been unfairly treated or victimised. This class of dispute occurs very frequently in the coal mining industry. The number of disputes over "Trade Union" questions, and "Hours of Labour" have represented a fairly uniform proportion of the total number of disputes during the years under review. "Sympathetic" disputes were numerous during the years 1916 and 1917. The figures for the latter year were abnormal in comparison with the other periods. It may be mentioned, however, that the disputes which arose during that year in connection with the "time-card system" dispute were responsible for the increase in the number.

(ii.) *Causes of Industrial Disputes in each State and Territory, 1920.*—In the following tables particulars in respect of the number of industrial disputes recorded for the year 1920, the number of workpeople involved, and the number of working days lost are classified (under the adopted classification of causes) for each State and Territory in the Commonwealth.

**Causes of Industrial Disputes in each State and Territory, 1920.**

| Causes of Disputes.                               | N.S.W. | Vic. | Q'land. | S.A. | W.A. | Tas. | N.T. | C'wlth. |
|---|--------|------|---------|------|------|------|------|---------|
| NUMBER OF DISPUTES.                               |        |      |         |      |      |      |      |         |
| 1. Wages—   |        |      |         |      |      |      |      |         |
| (a) For increase ..                               | 27     | 19   | 3       | 13   | 23   | 9    | ..   | 94      |
| (b) Against decrease ..                           | 68     | 8    | 46      | 5    | 9    | ..   | ..   | 106     |
| (c) Other wage questions ..                       | 6      | 3    | 3       | 1    | 3    | ..   | ..   | 16      |
| 2. Hours of Labour—                               |        |      |         |      |      |      |      |         |
| (a) For reduction ..                              | 6      | 3    | 3       | 1    | 3    | ..   | ..   | 16      |
| (b) Other disputes <i>re</i> hours ..             | 6      | 1    | ..      | 1    | 1    | ..   | ..   | 9       |
| 3. Trade Unionism—                                |        |      |         |      |      |      |      |         |
| (a) Against employment of non-unionists ..        | 11     | 3    | ..      | 5    | ..   | 1    | ..   | 20      |
| (b) Other union questions ..                      | 17     | 2    | 5       | 2    | 1    | ..   | ..   | 27      |
| 4. Employment of particular classes or persons .. | 80     | 13   | 25      | 10   | 6    | 1    | ..   | 135     |
| 5. Working conditions ..                          | 97     | 2    | 3       | 2    | 1    | 1    | ..   | 106     |
| 6. Sympathetic ..                                 | 1      | 1    | ..      | ..   | ..   | ..   | ..   | 2       |
| 7. Other causes ..                                | 36     | 1    | ..      | 1    | 1    | ..   | ..   | 39      |
| Total ..  | 349    | 53   | 55      | 40   | 45   | 12   | ..   | 554     |

**NUMBER OF WORKPEOPLE INVOLVED.**

|   |        |        |       |       |        |       |    |         |
|---|--------|--------|-------|-------|--------|-------|----|---------|
| 1. Wages—   |        |        |       |       |        |       |    |         |
| (a) For increase ..                               | 4,318  | 25,627 | 250   | 2,459 | 7,165  | 1,629 | .. | 41,748  |
| (b) Against decrease ..                           | 17,534 | 516    | 1,129 | 609   | 1,351  | ..    | .. | 21,139  |
| (c) Other wage questions ..                       | 12,407 | 6,180  | 1,467 | 20    | 684    | ..    | .. | 20,758  |
| 2. Hours of Labour—                               |        |        |       |       |        |       |    |         |
| (a) For reduction ..                              | 12,407 | 6,180  | 1,467 | 20    | 684    | ..    | .. | 20,758  |
| (b) Other disputes <i>re</i> hours ..             | 954    | 250    | ..    | 673   | 260    | ..    | .. | 2,137   |
| 3. Trade Unionism—                                |        |        |       |       |        |       |    |         |
| (a) Against employment of non-unionists ..        | 1,706  | 824    | ..    | 199   | ..     | 23    | .. | 2,752   |
| (b) Other union questions ..                      | 4,055  | 1,302  | 525   | 72    | 1,580  | ..    | .. | 7,534   |
| 4. Employment of particular classes or persons .. | 17,890 | 3,763  | 2,168 | 1,695 | 593    | 54    | .. | 26,163  |
| 5. Working conditions ..                          | 20,755 | 60     | 269   | 40    | 30     | 50    | .. | 21,204  |
| 6. Sympathetic ..                                 | 147    | 1,250  | ..    | ..    | ..     | ..    | .. | 1,397   |
| 7. Other causes ..                                | 10,616 | 36     | ..    | 32    | 50     | ..    | .. | 10,734  |
| Total ..  | 90,382 | 39,808 | 5,808 | 5,799 | 12,013 | 1,756 | .. | 155,566 |

## Causes of Industrial Disputes in each State and Territory, 1920—continued.

| Causes of Disputes.                               | N S.W.  | Vic.    | Q'land. | S.A.    | W.A.    | Tas.   | N.T. | C'wlth.   |
|---|---------|---------|---------|---------|---------|--------|------|-----------|
| NUMBER OF WORKING DAYS LOST.                      |         |         |         |         |         |        |      |           |
| 1. Wages—   |         |         |         |         |         |        |      |           |
| (a) For increase ..                               | 28,051  | 449,346 | 3,164   | 156,490 | 106,651 | 50,233 | ..   | 793,935   |
| (b) Against decrease ..                           | 76,213  | 4,114   | 3,684   | 3,375   | 13,833  | ..     | ..   | 101,219   |
| (c) Other wage questions ..                       | 249,108 | 236,970 | 43,162  | 140     | 5,078   | ..     | ..   | 534,458   |
| 2. Hours of Labour—                               |         |         |         |         |         |        |      |           |
| (a) For reduction ..                              | 1,114   | 6,750   | ..      | 20,522  | 9,100   | ..     | ..   | 37,486    |
| (b) Other disputes <i>re</i> hours ..             | ..      | ..      | ..      | ..      | ..      | ..     | ..   | ..        |
| Trade Unionism—                                   |         |         |         |         |         |        |      |           |
| (a) Against employment of non-unionists ..        | 5,755   | 4,684   | ..      | 13,909  | ..      | 552    | ..   | 24,900    |
| (b) Other union questions ..                      | 8,431   | 1,910   | 1,368   | 810     | 9,480   | ..     | ..   | 21,999    |
| 4. Employment of particular classes or persons .. | 63,677  | 9,056   | 16,068  | 36,018  | 1,498   | 2,898  | ..   | 129,215   |
| 5. Working conditions ..                          | 125,965 | 420     | 852     | 530     | 600     | 600    | ..   | 128,967   |
| 6. Sympathetic ..                                 | 2,940   | 70,000  | ..      | ..      | ..      | ..     | ..   | 72,940    |
| 7. Other causes ..                                | 25,902  | 36      | ..      | 608     | 400     | ..     | ..   | 26,946    |
| Total .. ..                                       | 587,156 | 783,286 | 68,298  | 232,402 | 146,640 | 54,283 | ..   | 1,872,065 |

Of the total number of disputes (554) which commenced during the year 1920, "Wage" questions were responsible for 200, of which number 94 were claims by the employees for increases. One hundred and thirty-five disputes occurred over the "Employment of Particular Classes or Persons," while 106 arose over "Working Conditions." "Trade Union" matters were the cause of 47 stoppages of work, and 25 dislocations occurred over "Hours of Labour." Only 2 disputes were classified under the heading "Sympathetic" during the year. The heaviest loss in working days was occasioned by disputes which were caused by the refusal of employers to grant increases in wages. The question of reduction of hours of work also caused a heavy loss in working days. The dispute which was responsible for the greater part of this loss was that in which marine stewards were involved.

7. **Results of Industrial Disputes.**—The terms or conditions (as between the parties involved in an industrial dispute) upon which a resumption of work is agreed, are taken as the basis of the result of the dispute. These terms or conditions when analysed in comparison with the alleged cause of the stoppage invariably come within one or other of the following four definitions, viz. :—

- (a) In favour of workpeople.
- (b) In favour of employer.
- (c) Compromise.
- (d) Indefinite.

Disputes are considered to result :—(a) *In favour of workpeople*, when the employees succeed in enforcing compliance with all their demands or are substantially successful in attaining their principal object, or in resisting a demand made by their employers ; (b) *In favour of employer*, when the demands of the employees are not conceded or when the employer or employers are substantially successful in enforcing a demand ; (c) *Compromise*, when the employees are successful in enforcing

compliance with a part of their demands or of resisting substantially full compliance with the demands of their employer or employers; (d) *Indefinite*, in other cases, such, for example, as those in which employees stop work owing to some misconception regarding the terms of an award, determination, or agreement, and work is resumed as usual on the matters in dispute being explained, or in cases where a dispute arises in connection with certain work which is, however, abandoned, even though the employees return to the same establishment to be employed on other work. The results of "Sympathetic" disputes, in which a body of workers cease work with the object of assisting another body of workers in obtaining compliance with some demand, are generally "Indefinite," except when the stoppage is entered upon partially to enforce a demand in which they might ultimately benefit.

(i.) *Results of Industrial Disputes, Commonwealth, 1913-1920.* The following table shews the number of disputes, number of workpeople involved, and the number of working days lost in disputes throughout the Commonwealth during the eight years 1913-1920, classified according to results:—

**Industrial Disputes classified according to Results, Commonwealth, 1913-1920.**

| YEAR | NO. OF DISPUTES          |                        |             |             | NUMBER OF WORKPEOPLE INVOLVED IN DISPUTES. |                        |             |             | TOTAL NO. OF WORKING DAYS LOST BY DISPUTES. |                        |             |             |
|------|--------------------------|------------------------|-------------|-------------|--|------------------------|-------------|-------------|---|------------------------|-------------|-------------|
|      | In Favour of Workpeople. | In Favour of Employer. | Compromise. | Indefinite. | In Favour of Workpeople.                   | In Favour of Employer. | Compromise. | Indefinite. | In Favour of Workpeople.                    | In Favour of Employer. | Compromise. | Indefinite. |
| 1913 | 67                       | 64                     | 66          | 11          | 10,914                                     | 12,211                 | 24,826      | 2,332       | 59,823                                      | 104,654                | 433,014     | 26,037      |
| 1914 | 118                      | 98                     | 110         | 11          | 21,224                                     | 18,242                 | 30,396      | 1,187       | 129,995                                     | 119,819                | 829,265     | 11,316      |
| 1915 | 190                      | 78                     | 68          | 22          | 44,140                                     | 15,327                 | 14,860      | 6,965       | 245,625                                     | 155,659                | 151,544     | 30,397      |
| 1916 | 223                      | 178                    | 84          | 23          | 70,588                                     | 36,670                 | 23,296      | 40,129      | 886,010                                     | 253,084                | 476,302     | 63,534      |
| 1917 | 147                      | 188                    | 100         | 9           | 24,331                                     | 119,589                | 22,310      | 7,740       | 103,267                                     | 4,201,981              | 285,103     | 9,307       |
| 1918 | 92                       | 100                    | 93          | 13          | 13,780                                     | 15,998                 | 23,739      | 2,922       | 101,207                                     | 177,223                | 280,045     | 22,378      |
| 1919 | 154                      | 157                    | 140         | 9           | 54,810                                     | 43,140                 | 55,445      | 4,196       | 2,398,252                                   | 406,361                | 3,483,571   | 20,042      |
| 1920 | 183                      | 199                    | 168         | 4           | 30,399                                     | 61,947                 | 62,811      | 409         | 180,345                                     | 911,156                | 777,175     | 3,389       |

It will be seen from the above table that, during the years 1913, 1914, 1915 and 1916, the disputes resulting in favour of workpeople exceeded those resulting in favour of employers. During 1917, 1918, 1919 and 1920, however, the position was reversed. A considerable number of disputes in each year resulted in a compromise, while certain disputes resulted in such a manner that they could not be definitely classed under any heading other than "Indefinite." The majority of these disputes are of short duration.

(ii.) *Industrial Disputes in Commonwealth, classified according to Causes and Results, 1920.*—The following table shews the number of disputes, number of workpeople involved, and the total number of working days lost in disputes which commenced in a State or Territory of the Commonwealth during the year 1920, classified according to principal cause and result:—

## Industrial Disputes, Classified according to Causes and Results, Commonwealth, 1920.

| CAUSE.   | No. of Disputes.         |                        |             |             | No. of Workpeople involved in Disputes. |                        |             |             | Total No. of Working Days Lost by Disputes. |                        |             |             |
|--|--------------------------|------------------------|-------------|-------------|---|------------------------|-------------|-------------|---|------------------------|-------------|-------------|
|  | In Favour of Workpeople. | In Favour of Employer. | Compromise. | Indefinite. | In Favour of Workpeople.                | In Favour of Employer. | Compromise. | Indefinite. | In Favour of Workpeople.                    | In Favour of Employer. | Compromise. | Indefinite. |
| <b>Wages—</b>                                      |                          |                        |             |             |   |                        |             |             |   |                        |             |             |
| (a) For increase                                   | 30                       | 13                     | 50          | 1           | 2,437                                   | 3,051                  | 36,249      | 11          | 43,147                                      | 153,646                | 596,944     | 198         |
| (b) Against decrease                               | ..                       | ..                     | ..          | ..          | ..                                      | ..                     | ..          | ..          | ..  | ..                     | ..          | ..          |
| (c) Other wage questions                           | 39                       | 33                     | 34          | ..          | 6,905                                   | 7,798                  | 6,436       | ..          | 20,311                                      | 26,004                 | 54,904      | ..          |
| <b>Hours of Labour—</b>                            |                          |                        |             |             |   |                        |             |             |   |                        |             |             |
| (a) For reduction                                  | 5                        | 10                     | 1           | ..          | 714                                     | 17,044                 | 3,000       | ..          | 5,258                                       | 517,200                | 12,000      | ..          |
| (b) Other disputes re hours                        | 1                        | 7                      | 1           | ..          | 260                                     | 1,698                  | 179         | ..          | 9,100                                       | 28,207                 | 179         | ..          |
| <b>Trade Unionism—</b>                             |                          |                        |             |             |   |                        |             |             |   |                        |             |             |
| (a) Against employment of non-unionists            | 10                       | 5                      | 5           | ..          | 1,653                                   | 447                    | 652         | ..          | 4,066                                       | 15,632                 | 5,202       | ..          |
| (b) Other union questions                          | 13                       | 8                      | 6           | ..          | 4,371                                   | 2,086                  | 1,077       | ..          | 14,317                                      | 3,954                  | 3,728       | ..          |
| <b>Employment of particular Classes or Persons</b> | 45                       | 57                     | 32          | 1           | 7,977                                   | 12,211                 | 5,855       | 120         | 43,242                                      | 67,661                 | 18,192      | 120         |
| <b>Working Conditions</b>                          | 36                       | 38                     | 32          | ..          | 5,640                                   | 8,715                  | 6,849       | ..          | 39,536                                      | 16,887                 | 72,544      | ..          |
| <b>Sympathetic</b>                                 | ..                       | 1                      | ..          | 1           | ..                                      | 1,250                  | ..          | 147         | ..  | 70,000                 | ..          | 2,940       |
| <b>Other Causes</b>                                | 4                        | 27                     | 7           | 1           | 442                                     | 7,647                  | 2,514       | 131         | 1,368                                       | 11,965                 | 13,482      | 131         |
| <b>Total</b>                                       | 183                      | 199                    | 168         | 4           | 30,399                                  | 61,947                 | 62,811      | 409         | 180,345                                     | 911,156                | 777,175     | 3,389       |

NOTE.—For corresponding particulars for the years 1913-1919, see Labour Reports Nos. 5 to 10.

(iii.) *Results of Industrial Disputes in each State, 1920.*—The following table shews for each State and Territory the number of disputes, the number of workpeople involved, and the total number of working days lost through disputes which commenced during the year 1920, classified according to results :—

## Industrial Disputes in each State, Classified according to Results, 1920.

| State or Territory.    | No. of Disputes.         |                        |             |             | No. of Workpeople Involved in Disputes. |                        |             |             | Total No. of Working Days lost by Disputes. |                        |             |             |
|------------------------|--------------------------|------------------------|-------------|-------------|---|------------------------|-------------|-------------|---|------------------------|-------------|-------------|
|                        | In favour of Workpeople. | In favour of Employer. | Compromise. | Indefinite. | In favour of Workpeople.                | In favour of Employer. | Compromise. | Indefinite. | In favour of Workpeople.                    | In favour of Employer. | Compromise. | Indefinite. |
| New South Wales        | 100                      | 153                    | 94          | 2           | 19,213                                  | 46,194                 | 24,697      | 278         | 89,042                                      | 325,179                | 169,864     | 3,071       |
| Victoria               | 16                       | 13                     | 24          | ..          | 3,796                                   | 9,460                  | 26,552      | ..          | 9,657                                       | 352,227                | 421,402     | ..          |
| Queensland             | 20                       | 18                     | 16          | 1           | 1,281                                   | 2,608                  | 1,799       | 120         | 11,864                                      | 49,949                 | 6,365       | 120         |
| South Australia        | 20                       | 10                     | 9           | 1           | 1,941                                   | 2,579                  | 1,268       | 11          | 29,861                                      | 182,055                | 20,288      | 198         |
| Western Australia      | 21                       | 3                      | 21          | ..          | 3,573                                   | 233                    | 8,207       | ..          | 30,417                                      | 344                    | 115,879     | ..          |
| Tasmania               | 6                        | 2                      | 4           | ..          | 595                                     | 873                    | 288         | ..          | 9,504                                       | 1,402                  | 43,377      | ..          |
| Northern Territory     | ..                       | ..                     | ..          | ..          | ..                                      | ..                     | ..          | ..          | ..  | ..                     | ..          | ..          |
| <b>Total, C'wealth</b> | 183                      | 199                    | 168         | 4           | 30,399                                  | 61,947                 | 62,811      | 409         | 180,345                                     | 911,156                | 777,175     | 3,389       |

The particulars in the foregoing table shew that during the year 1920, 199 disputes resulted in favour of the employers ; 183 in favour of the workpeople, and 168 in a compromise. In New South Wales the majority of the disputes resulted in favour of the employers, while in the other States the results, according to numbers of disputes, favoured the employees. It will be noticed that 62,811 workpeople were involved in the 168 stoppages of work, which were classified under the heading "Compromise," as compared with 30,399 involved in disputes which resulted in favour of the workpeople, and 61,947 in disputes which ended in favour of the employers. In regard to working days lost by disputes, it will be seen that disputes which resulted in favour of the employers caused a greater loss than those which resulted in favour of the workpeople.

**8. Methods of Settlement of Industrial Disputes.**—Methods of settlement, *i.e.*, the means adopted whereby the parties to an industrial dispute or their representatives are either brought into active negotiations or other steps are taken to bring about a termination of the dispute and a consequent resumption of work are very varied, but for the purposes of statistical classification may be confined within the following six main headings. viz. :—

- (i.) By negotiations.
- (ii.) Under State Industrial Act.
- (iii.) Under Commonwealth Arbitration Act.
- (iv.) By filling places of workpeople on strike or locked out.
- (v.) By closing down establishment permanently.
- (vi.) By other methods.

The first three main headings are further divided as follows :—

- (i.) By negotiations—
  - (a) Direct negotiations between employers and employees or their representatives.
  - (b) By intervention or assistance of distinctive third party, not under Commonwealth or State Industrial Acts.
- (ii.) Under State Industrial Acts—
  - (a) By intervention, assistance, or compulsory conference.
  - (b) By reference to Board or Court.
- (iii.) Under Commonwealth Conciliation and Arbitration Act—
  - (a) By intervention, assistance, or compulsory conference.
  - (b) By reference to Court.

Each of the first five methods indicates some definite action taken to arrive at a settlement of the issue or issues in an industrial dispute which involves a cessation of work. The sixth, "Other Methods," is more or less indefinite, and synchronises with "Other Causes" and mainly relates to resumptions of work at collieries at the next shift, without any cause for the stoppages being necessarily made known officially to the management.



(i.) *Methods of Settlement of Industrial Disputes—Commonwealth, 1913-1920.*—In the following tables the number of disputes, number of workpeople involved, number of working days lost, and estimated loss in wages caused by industrial disputes during the eight years 1913-1920 are classified for the Commonwealth according to the adopted schedule of methods of settlement :—

**Methods of Settlement of Industrial Disputes, Commonwealth, 1913-1920.**

| Methods of Settlement.   | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| NUMBER OF DISPUTES.  |       |       |       |       |       |       |       |       |
| Negotiations—  |       |       |       |       |       |       |       |       |
| Direct between employers and employees or their representatives ..   | 119   | 247   | 254   | 319   | 234   | 171   | 291   | 380   |
| By intervention or assistance of distinctive third party—not under Commonwealth or State Industrial Act .. | 17    | 11    | 29    | 34    | 38    | 21    | 35    | 25    |
| Under State Industrial Act—  |       |       |       |       |       |       |       |       |
| By intervention, assistance or compulsory conference ..  | 19    | 7     | 3     | 9     | 12    | 20    | 33    | 33    |
| By reference to Board or Court ..  | 22    | 17    | 5     | 10    | 13    | 14    | 5     | 8     |
| Under Commonwealth Conciliation and Arbitration Act—   |       |       |       |       |       |       |       |       |
| By intervention, assistance or compulsory conference ..  | 4     | 5     | 2     | 6     | 3     | 8     | 9     | 8     |
| By Filling Places of Workpeople on Strike or Locked Out ..   | 13    | 16    | 9     | 18    | 36    | 26    | 22    | 22    |
| By Closing down Establishment Permanently ..   | 1     | 4     | 1     | 6     | 4     | 8     | 7     | 4     |
| By other Methods ..  | 13    | 30    | 55    | 106   | 104   | 30    | 58    | 74    |
| Total ..   | 208   | 337   | 358   | 508   | 444   | 298   | 460   | 554   |

NUMBER OF WORKPEOPLE INVOLVED.

|  |        |        |        |         |         |        |         |         |
|--|--------|--------|--------|---------|---------|--------|---------|---------|
| Negotiations—  |        |        |        |         |         |        |         |         |
| Direct between employers and employees or their representatives ..   | 23,357 | 48,204 | 54,242 | 68,841  | 49,512  | 34,680 | 76,070  | 101,404 |
| By intervention or assistance of distinctive third party—not under Commonwealth or State Industrial Act .. | 3,172  | 8,054  | 6,170  | 32,043  | 23,338  | 4,155  | 47,849  | 6,278   |
| Under State Industrial Act—  |        |        |        |         |         |        |         |         |
| By intervention, assistance or compulsory conference ..  | 6,505  | 770    | 1,515  | 2,117   | 6,295   | 2,958  | 6,926   | 9,312   |
| By reference to Board or Court ..  | 12,774 | 7,308  | 815    | 2,291   | 2,779   | 3,392  | 1,380   | 1,711   |
| Under Commonwealth Conciliation and Arbitration Act—   |        |        |        |         |         |        |         |         |
| By intervention, assistance or compulsory conference ..  | 659    | 205    | 2,919  | 1,110   | 1,490   | 3,042  | 1,997   | 766     |
| By Filling Places of Workpeople on Strike or Locked Out ..   | 658    | 629    | 205    | 413     | 17,780  | 1,933  | 2,202   | 2,141   |
| By Closing down Establishment Permanently ..   | 170    | 86     | 200    | 150     | 434     | 538    | 401     | 182     |
| By other Methods ..  | 2,988  | 5,793  | 15,226 | 63,718  | 72,342  | 5,741  | 20,766  | 33,772  |
| Total ..   | 50,283 | 71,049 | 81,292 | 170,683 | 173,970 | 56,439 | 157,591 | 155,566 |

Methods of Settlement of Industrial Disputes, Commonwealth, 1913-1920—*cont.*

| Methods of Settlement.   | 1913.   | 1914.     | 1915.   | 1916.     | 1917.     | 1918.   | 1919      | 1920.     |
|--|---------|-----------|---------|-----------|-----------|---------|-----------|-----------|
| NUMBER OF WORKING DAYS LOST.   |         |           |         |           |           |         |           |           |
| <b>Negotiations—</b>   |         |           |         |           |           |         |           |           |
| Direct between employers and employees or their representatives ..   | 94,400  | 803,799   | 384,425 | 563,828   | 551,484   | 222,846 | 632,269   | 827,985   |
| By intervention or assistance of distinctive third party—not under Commonwealth or State Industrial Act .. | 26,335  | 128,231   | 56,126  | 812,763   | 863,896   | 37,444  | 5,379,655 | 217,916   |
| <b>Under State Industrial Act—</b>   |         |           |         |           |           |         |           |           |
| By intervention, assistance or compulsory conference ..  | 187,871 | 4,256     | 20,537  | 31,696    | 159,799   | 57,559  | 94,557    | 69,436    |
| By reference to Board or Court ..  | 221,769 | 120,685   | 15,418  | 48,022    | 48,352    | 151,472 | 8,460     | 19,236    |
| <b>Under Commonwealth Conciliation and Arbitration Act—</b>  |         |           |         |           |           |         |           |           |
| By intervention, assistance or compulsory conference ..  | 2,105   | 1,421     | 26,883  | 20,697    | 33,396    | 23,289  | 74,018    | 34,205    |
| <b>By Filling Places of Work—</b>  |         |           |         |           |           |         |           |           |
| people on Strike or Locked Out ..  | 14,139  | 4,402     | 1,533   | 9,060     | 908,596   | 35,298  | 46,029    | 160,562   |
| <b>By Closing down Establishment Permanently ..</b>  | 20,400  | 3,646     | 19,600  | 2,776     | 11,392    | 4,270   | 5,737     | 12,919    |
| <b>By other Methods ..</b>   | 56,509  | 23,955    | 58,703  | 190,088   | 2,022,743 | 48,675  | 67,501    | 529,806   |
| <b>Total ..</b>  | 623,528 | 1,090,395 | 583,225 | 1,678,930 | 4,599,658 | 580,853 | 6,308,226 | 1,872,065 |

## ESTIMATED LOSS IN WAGES.

|  | £       | £       | £       | £       | £         | £       | £         | £         |
|--|---------|---------|---------|---------|-----------|---------|-----------|-----------|
| <b>Negotiations—</b>   |         |         |         |         |           |         |           |           |
| Direct between employers and employees or their representatives ..   | 43,834  | 402,729 | 203,290 | 309,617 | 287,348   | 139,426 | 419,573   | 534,760   |
| By intervention or assistance of distinctive third party—not under Commonwealth or State Industrial Act .. | 12,394  | 66,225  | 26,788  | 500,537 | 591,359   | 23,271  | 3,342,611 | 154,093   |
| <b>Under State Industrial Act—</b>   |         |         |         |         |           |         |           |           |
| By intervention, assistance or compulsory conference ..  | 86,277  | 1,841   | 9,832   | 18,075  | 65,352    | 41,358  | 59,167    | 46,831    |
| By reference to Board or Court ..  | 104,293 | 64,208  | 7,716   | 23,047  | 32,444    | 96,211  | 4,425     | 11,205    |
| <b>Under Commonwealth Conciliation and Arbitration Act—</b>  |         |         |         |         |           |         |           |           |
| By intervention, assistance or compulsory conference ..  | 1,373   | 712     | 8,522   | 8,228   | 18,333    | 14,311  | 46,472    | 19,285    |
| <b>By Filling Places of Work—</b>  |         |         |         |         |           |         |           |           |
| people on Strike or Locked Out ..  | 6,478   | 2,076   | 891     | 4,326   | 453,844   | 24,514  | 29,586    | 94,235    |
| <b>By Closing down Establishment Permanently ..</b>  | 7,850   | 1,651   | 10,500  | 1,588   | 6,456     | 2,764   | 3,106     | 7,125     |
| <b>By other Methods ..</b>   | 25,240  | 11,786  | 32,094  | 102,186 | 1,139,672 | 30,479  | 46,996    | 356,182   |
| <b>Total ..</b>  | 287,739 | 551,228 | 299,633 | 967,604 | 2,594,808 | 372,334 | 3,951,936 | 1,223,716 |

In the above tables the methods of settlement of all disputes recorded during the past eight years are set out in comparative form. In all years it will be observed that direct negotiations between the employers and employees settled the majority of the disputes. During the year 1913, 57 per cent. of the total number of dislocations was settled in this manner as compared with 73 per cent. during 1914; 71 per cent. during 1915; 63 per cent. during 1916; 53 per cent. during 1917; 57 per cent. during 1918; 63 per cent. during 1919; and 69 per cent. during 1920. The numbers of dislocations which have been settled by compulsory conferences or the intervention and assistance of officials under State or Commonwealth Arbitration Acts have not varied greatly during the period under review. In connection with the comparatively large numbers of

disputes which are classified as having been settled "By other methods," it must be mentioned that a large number of stoppages of work occur each year, principally at the collieries, without any cause for such stoppages being brought officially under the notice of the employers or their representatives. Such stoppages usually last for one day, and work is resumed on the following morning without any negotiations for a settlement of the trouble which caused the stoppage.

(ii.) *Methods of Settlement of Industrial Disputes in each State and Territory, 1920.* In the following tables the number of disputes, number of workpeople involved, number of working days lost, and estimated loss in wages caused by industrial disputes commenced during the year 1920 are classified for each State and Territory according to the adopted methods of settlement :—

**Methods of Settlement of Industrial Disputes in each State and Territory, 1920.**

| Methods of Settlement.  | N.S.W. | Vic. | Q'land | S.A. | W.A. | Tas. | N.T. | C'wlth |
|---|--------|------|--------|------|------|------|------|--------|
| NUMBER OF DISPUTES.   |        |      |        |      |      |      |      |        |
| Negotiations—   |        |      |        |      |      |      |      |        |
| Direct between employers and employees, or their representatives .. ..  | 259    | 37   | 26     | 24   | 30   | 7    | ..   | 380    |
| By intervention or assistance of distinctive third party—not under Commonwealth or State Industrial Act .. .. | 13     | 2    | 1      | ..   | 7    | 2    | ..   | 25     |
| Under State Industrial Act—   |        |      |        |      |      |      |      |        |
| By intervention, assistance or compulsory conference  | 16     | ..   | 13     | 2    | 2    | ..   | ..   | 33     |
| By reference to Board or Court .. ..  | ..     | ..   | 3      | 1    | 4    | ..   | ..   | 8      |
| Under Commonwealth Conciliation and Arbitration Act—  |        |      |        |      |      |      |      |        |
| By intervention, assistance or compulsory conference  | ..     | 2    | 1      | 4    | ..   | 1    | ..   | 8      |
| By Filling Places of Workpeople on Strike or Locked out .. ..   | 8      | 5    | 3      | 4    | 1    | 1    | ..   | 22     |
| By Closing down Establishment permanently .. ..   | ..     | ..   | 1      | 3    | ..   | 1    | ..   | 4      |
| By other Methods .. ..  | 56     | 7    | 7      | 2    | 1    | 1    | ..   | 74     |
| Total .. ..   | 349    | 53   | 55     | 40   | 45   | 12   | ..   | 554    |

**NUMBER OF WORKPEOPLE INVOLVED.**

|   |        |        |       |       |        |       |    |         |
|---|--------|--------|-------|-------|--------|-------|----|---------|
| Negotiations—   |        |        |       |       |        |       |    |         |
| Direct between employers and employees, or their representatives .. ..  | 57,243 | 29,585 | 2,706 | 2,815 | 8,743  | 312   | .. | 101,404 |
| By intervention or assistance of distinctive third party—not under Commonwealth or State Industrial Act .. .. | 2,610  | 2,414  | 60    | ..    | 745    | 449   | .. | 6,278   |
| Under State Industrial Act—   |        |        |       |       |        |       |    |         |
| By intervention, assistance or compulsory conference  | 6,953  | ..     | 794   | 605   | 960    | ..    | .. | 9,312   |
| By reference to Board or Court .. ..  | ..     | ..     | 137   | 65    | 1,509  | ..    | .. | 1,711   |
| Under Commonwealth Conciliation and Arbitration Act   |        |        |       |       |        |       |    |         |
| By intervention, assistance or compulsory conference  | ..     | 290    | 72    | 282   | ..     | 122   | .. | 766     |
| By Filling Places of Workpeople on Strike or Locked out .. ..   | 734    | 359    | 117   | 902   | 6      | 23    | .. | 2,141   |
| By Closing down Establishment permanently .. ..   | ..     | ..     | 25    | 157   | ..     | ..    | .. | 182     |
| By other Methods .. ..  | 22,842 | 7,160  | 1,897 | 973   | 50     | 850   | .. | 33,772  |
| Total .. ..   | 90,382 | 39,808 | 5,808 | 5,799 | 12,013 | 1,756 | .. | 155,566 |

Methods of Settlement of Industrial Disputes in each State and Territory, 1920—*cont.*

| Methods of Settlement.  | N.S.W.         | Vic.           | Q'land.       | S.A.           | W.A.           | Tas.          | N.T.      | C'wth.           |
|---|----------------|----------------|---------------|----------------|----------------|---------------|-----------|------------------|
| NUMBER OF WORKING DAYS LOST.  |                |                |               |                |                |               |           |                  |
| <b>Negotiations—</b>  |                |                |               |                |                |               |           |                  |
| Direct between employers and employees, or their representatives .. ..  | 167,487        | 447,752        | 12,663        | 72,599         | 105,645        | 21,839        | ..        | 827,985          |
| By intervention or assistance of distinctive third party—not under Commonwealth or State Industrial Act .. .. | 105,964        | 90,894         | 4,860         | ..             | 12,016         | 4,182         | ..        | 217,916          |
| <b>Under State Industrial Act—</b>  |                |                |               |                |                |               |           |                  |
| By intervention, assistance or compulsory conference .. ..  | 49,643         | ..             | 6,733         | 1,860          | 11,200         | ..            | ..        | 69,436           |
| By reference to Board or Court .. ..  | ..             | ..             | 398           | 1,495          | 17,343         | ..            | ..        | 19,236           |
| <b>Under Commonwealth Conciliation and Arbitration Act</b>  |                |                |               |                |                |               |           |                  |
| By intervention, assistance or compulsory conference .. ..  | ..             | 6,151          | 72            | 1,122          | ..             | 26,860        | ..        | 34,205           |
| <b>By Filling Places of Work—</b>   |                |                |               |                |                |               |           |                  |
| people on Strike or Locked out .. ..  | 9,564          | 35,709         | 451           | 114,250        | 36             | 552           | ..        | 160,562          |
| <b>By Closing down Establishment permanently .. ..</b>  |                |                |               |                |                |               |           |                  |
| .. ..   | ..             | ..             | 75            | 12,844         | ..             | ..            | ..        | 12,919           |
| <b>By other Methods .. ..</b>   |                |                |               |                |                |               |           |                  |
| .. ..   | 254,498        | 202,780        | 43,046        | 28,232         | 400            | 850           | ..        | 529,806          |
| <b>Total .. ..</b>  | <b>587,156</b> | <b>783,286</b> | <b>68,298</b> | <b>232,402</b> | <b>146,640</b> | <b>54,283</b> | <b>..</b> | <b>1,872,065</b> |

## ESTIMATED LOSS IN WAGES.

|   | £              | £              | £             | £              | £              | £             | £         | £                |
|---|----------------|----------------|---------------|----------------|----------------|---------------|-----------|------------------|
| <b>Negotiations—</b>  |                |                |               |                |                |               |           |                  |
| Direct between employers and employees, or their representatives .. ..  | 142,399        | 237,967        | 9,608         | 50,242         | 80,700         | 13,844        | ..        | 534,760          |
| By intervention or assistance of distinctive third party—not under Commonwealth or State Industrial Act .. .. | 85,852         | 54,109         | 3,475         | ..             | 8,327          | 2,330         | ..        | 154,093          |
| <b>Under State Industrial Act—</b>  |                |                |               |                |                |               |           |                  |
| By intervention, assistance or compulsory conference .. ..  | 31,765         | ..             | 5,246         | 1,270          | 8,550          | ..            | ..        | 46,831           |
| By reference to Board or Court .. ..  | ..             | ..             | 301           | 830            | 10,074         | ..            | ..        | 11,205           |
| <b>Under Commonwealth Conciliation and Arbitration Act</b>  |                |                |               |                |                |               |           |                  |
| By intervention, assistance or compulsory conference .. ..  | ..             | 3,461          | 84            | 810            | ..             | 14,930        | ..        | 19,285           |
| <b>By Filling Places of Work—</b>   |                |                |               |                |                |               |           |                  |
| people on Strike or Locked out .. ..  | 7,248          | 23,869         | 245           | 62,449         | 24             | 400           | ..        | 94,235           |
| <b>By Closing down Establishment permanently .. ..</b>  |                |                |               |                |                |               |           |                  |
| .. ..   | ..             | ..             | 50            | 7,075          | ..             | ..            | ..        | 7,125            |
| <b>By other Methods .. ..</b>   |                |                |               |                |                |               |           |                  |
| .. ..   | 165,724        | 145,838        | 25,934        | 17,650         | 380            | 656           | ..        | 356,182          |
| <b>Total .. ..</b>  | <b>432,988</b> | <b>465,244</b> | <b>44,943</b> | <b>140,326</b> | <b>108,055</b> | <b>32,160</b> | <b>..</b> | <b>1,223,716</b> |

It will be seen from the above tables that 380 disputes during the year 1920 were settled by direct negotiations between employers and employees or their representatives. In New South Wales, 256 or 73 per cent. of the total number of disputes in that State during the twelve months, were settled by this method, while in Victoria, Queensland, South Australia, and Tasmania this method of settlement was the most frequent. It will be noticed that, in Queensland, 13 disputes were settled by intervention or by compulsory conference under the State Arbitration Act, while 3 dislocations were settled by referring the matters in dispute to the State Industrial Court. Twenty-two disputes

during the year were terminated by filling the places of the workpeople who ceased work. Of the 74 dislocations which are classified as having been settled by "other methods" it will be seen that 56 occurred in New South Wales. The majority of these disputes involved employees at the collieries, and lasted one day.

**9. Industrial Disputes, Commonwealth—Number and Magnitude during Calendar Years 1913 to 1920.**—In the following table particulars are given of the number of industrial disputes, the number of workpeople involved, and the losses in working days and wages caused by disputes during each *calendar* year 1913 to 1920, classified according to industrial groups:—

**Industrial Disputes, Commonwealth.—Number and Magnitude according to Industrial Groups during each *Calendar Year* 1913-1920.**

| Calendar Year.      | Manu-<br>facturing.<br>(Groups I.<br>to VI.). | Building.<br>(Group<br>VII.). | Mining.<br>(Group<br>VIII.). | Transport,<br>Land & Sea.<br>(Groups<br>IX. to XI.). | Miscel-<br>laneous.<br>(Groups<br>XII. to XIV.). | ALL<br>GROUPS. |
|---------------------|---|-------------------------------|------------------------------|--|--|----------------|
| NUMBER OF DISPUTES. |   |                               |                              |  |  |                |
| 1913 ..             | 37  | 10                            | 103                          | 36   | 22   | 208            |
| 1914 ..             | 61  | 16                            | 186                          | 40   | 34   | 337            |
| 1915 ..             | 67  | 8                             | 204                          | 54   | 25   | 358            |
| 1916 ..             | 99  | 15                            | 240                          | 85   | 69   | 508            |
| 1917 ..             | 104   | 6                             | 200                          | 77   | 57   | 444            |
| 1918 ..             | 77  | 11                            | 135                          | 31   | 44   | 298            |
| 1919 ..             | 94  | 12                            | 231                          | 67   | 56   | 460            |
| 1920 ..             | 89  | 17                            | 316                          | 75   | 57   | 554            |
| 1913 to 1920        | 628   | 95                            | 1,615                        | 465  | 364  | 3,167          |

NUMBER OF WORKPEOPLE INVOLVED.

|              |         |        |         |         |         |         |
|--------------|---------|--------|---------|---------|---------|---------|
| 1913 ..      | 5,175   | 232    | 33,537  | 9,049   | 2,290   | 50,283  |
| 1914 ..      | 13,017  | 4,321  | 48,785  | 3,256   | 1,670   | 71,049  |
| 1915 ..      | 15,180  | 301    | 54,315  | 8,550   | 2,946   | 81,292  |
| 1916 ..      | 15,482  | 751    | 95,512  | 9,366   | 49,572  | 170,683 |
| 1917 ..      | 32,058  | 403    | 69,519  | 60,975  | 11,015  | 173,970 |
| 1918 ..      | 10,472  | 685    | 35,149  | 6,507   | 3,626   | 56,439  |
| 1919 ..      | 19,550  | 2,810  | 86,607  | 36,386  | 12,238  | 157,591 |
| 1920 ..      | 21,092  | 6,527  | 81,043  | 15,043  | 31,861  | 155,566 |
| 1913 to 1920 | 132,026 | 16,030 | 504,467 | 149,132 | 115,218 | 916,873 |

NUMBER OF WORKING DAYS LOST.

|              |           |         |           |           |           |            |
|--------------|-----------|---------|-----------|-----------|-----------|------------|
| 1913 ..      | 61,384    | 2,303   | 389,854   | 121,034   | 47,960    | 622,535    |
| 1914 ..      | 195,838   | 140,881 | 582,967   | 56,186    | 17,281    | 993,153    |
| 1915 ..      | 128,719   | 801     | 460,801   | 59,286    | 33,353    | 682,960    |
| 1916 ..      | 339,530   | 23,913  | 961,775   | 104,217   | 215,318   | 1,644,753  |
| 1917 ..      | 845,557   | 8,084   | 1,317,600 | 2,374,474 | 143,601   | 4,689,316  |
| 1918 ..      | 217,425   | 3,602   | 215,573   | 38,922    | 64,071    | 539,593    |
| 1919 ..      | 272,405   | 124,003 | 1,826,694 | 1,898,900 | 181,736   | 4,303,738  |
| 1920 ..      | 367,296   | 103,373 | 1,944,038 | 626,826   | 545,734   | 3,587,267  |
| 1913 to 1920 | 2,428,154 | 406,960 | 7,699,302 | 5,279,845 | 1,249,054 | 17,063,815 |

ESTIMATED LOSS IN WAGES.

|              |             |            |              |             |             |              |
|--------------|-------------|------------|--------------|-------------|-------------|--------------|
| 1913 ..      | £<br>26,703 | £<br>1,171 | £<br>182,724 | £<br>61,005 | £<br>16,498 | £<br>288,101 |
| 1914 ..      | 96,461      | 72,735     | 293,722      | 30,178      | 7,379       | 500,475      |
| 1915 ..      | 58,519      | 462        | 244,943      | 32,408      | 13,810      | 350,142      |
| 1916 ..      | 177,361     | 13,107     | 587,163      | 51,532      | 115,635     | 944,798      |
| 1917 ..      | 467,292     | 4,592      | 937,308      | 1,158,079   | 74,464      | 2,641,735    |
| 1918 ..      | 131,811     | 2,235      | 146,676      | 21,298      | 43,114      | 345,134      |
| 1919 ..      | 167,502     | 73,643     | 1,280,265    | 977,494     | 119,924     | 2,618,828    |
| 1920 ..      | 215,057     | 70,006     | 1,418,193    | 357,786     | 309,345     | 2,370,387    |
| 1913 to 1920 | 1,340,706   | 237,951    | 5,090,994    | 2,689,780   | 700,169     | 10,059,600   |

## SECTION XIII.—STATE FREE EMPLOYMENT BUREAUX.

1. **General.**—In the following paragraphs, particulars are given of the operations of the various State Labour Bureaux. In Labour Report No. 6 (page 130), attention was drawn to the fact that the systems adopted in the several States for the registration of applications for work and from employers are not uniform, and that the comparisons which can be drawn from the figures shewing the results of the operations of these Bureaux are subject to certain limitations.

2. **Applications and Positions Filled, 1913 to 1920.**—The following table shews the total number of applications for employment and from employers, and the number of positions filled in the Commonwealth during the years 1913 to 1920 :—

**State Free Employment Bureaux.—Applications for Employment and from Employers, and Positions Filled in the Commonwealth, during the Years 1913 to 1920.**

| Year.        | Applications for Employment.             |                         |         | Applications from Employers.             |                         |         | Positions filled. |
|--------------|--|-------------------------|---------|--|-------------------------|---------|-------------------|
|              | On Live Register at Beginning of Period. | Received during Period. | Total.  | On Live Register at Beginning of Period. | Received during Period. | Total.  |                   |
| 1913 .. .. . | 2,520                                    | 81,356                  | 83,876  | *321                                     | *26,103                 | *26,424 | 35,312            |
| 1914 .. .. . | 2,326                                    | 100,917                 | 103,243 | *1,017                                   | *29,223                 | *30,240 | 37,365            |
| 1915 .. .. . | 9,075                                    | 102,264                 | 111,339 | †370                                     | †20,900                 | †21,270 | 39,069            |
| 1916 .. .. . | 7,345                                    | 85,349                  | 92,694  | †1,758                                   | †34,982                 | †36,740 | 42,384            |
| 1917 .. .. . | 5,487                                    | 76,710                  | 82,197  | †994                                     | †27,372                 | †28,366 | 36,657            |
| 1918 .. .. . | 4,676                                    | 77,652                  | 82,328  | †750                                     | †39,970                 | †40,720 | 45,416            |
| 1919 .. .. . | 5,994                                    | 98,527                  | 104,521 | †459                                     | †43,775                 | †44,234 | 53,040            |
| 1920 .. .. . | 7,475                                    | 124,429                 | 131,904 | †356                                     | †61,328                 | †61,684 | 62,699            |

\* Exclusive of Victoria and South Australia, for which States particulars are not available.

† Exclusive of Victoria, South Australia and Tasmania.

During the year 1920, out of every 1000 applicants for work 475 obtained positions, against 507 for the year 1919. The number of applicants for work was 26 per cent. larger, and the number of positions filled 18 per cent. greater during the year 1920 than during 1919.

3. **Applications and Positions Filled in each State during 1920.**—The following table shews the number of applications for employment and from employers, and the number of positions filled in each State during the year 1920 :—

**State Free Employment Bureaux.—Applications for Employment and from Employers, and Positions Filled in different States, 1920.**

| State.                    | Applications for Employment.           |                       |         | Applications from Employers.           |                       |         | Positions filled. |
|---------------------------|--|-----------------------|---------|--|-----------------------|---------|-------------------|
|                           | On Live Register at Beginning of Year. | Received during Year. | Total.  | On Live Register at Beginning of Year. | Received during Year. | Total.  |                   |
| New South Wales .. .. .   |  | 50,217                | 50,217  |  | 42,716                | 42,716  | 35,580*           |
| Victoria .. .. .          | 321                                    | 14,068                | 14,389  | †                                      | †                     | †       | 4,457             |
| Queensland .. .. .        | 7,083                                  | 42,974                | 50,057  | 356                                    | 13,758                | 14,114  | 12,567*           |
| South Australia .. .. .   | 62                                     | 7,831                 | 7,893   | †                                      | †                     | †       | 3,593*            |
| Western Australia .. .. . |  | 8,597                 | 8,597   |  | 4,854                 | 4,854   | 5,953             |
| Tasmania .. .. .          | 9                                      | 742                   | 751     | †                                      | †                     | †       | 549               |
| Commonwealth .. .. .      | 7,475                                  | 124,429               | 131,904 | †356                                   | †61,328               | †61,684 | 62,699            |

\* Including persons who received advances of travelling expenses from the Labour Bureau, but who were not directly engaged through the medium of that institution.

† Exclusive of Victoria, South Australia, and Tasmania.

† Not available.



The following are the percentages of applicants who obtained employment through the Bureaux in the various States:—New South Wales, 71; Victoria, 31; Queensland, 25; South Australia, 46; Western Australia, 69; and Tasmania, 73 per cent.

4. Applications and Positions Filled in Various Industrial Groups during 1920.—The following table furnishes particulars for the year 1920 of the operations of the Free Labour Bureaux, classified according to industrial groups:—

State Free Employment Bureaux.—Applications for Employment and from Employers, and Positions Filled in different Industrial Groups, 1920.

| Industrial Group.  | Applications for Employment.           |                       |         | * Applications from Employers.         |                       |        | Positions filled. |
|--|--|-----------------------|---------|--|-----------------------|--------|-------------------|
|  | On Live Register at Beginning of Year. | Received during Year. | Total.  | On Live Register at Beginning of Year. | Received during Year. | Total. |                   |
| I. Wood, Furniture, Saw-mill, Timber Workers, etc. . . . . | 3                                      | 697                   | 700     | ..                                     | 1,103                 | 1,103  | 916               |
| II. Engineering, Metal Works, etc. . . . .                 | 287                                    | 5,966                 | 6,253   | 1                                      | 2,096                 | 2,097  | 1,962             |
| III. Food, Drink, Tobacco, etc. . . . .                    | 112                                    | 1,684                 | 1,796   | 3                                      | 536                   | 539    | 493               |
| IV. Clothing, Hats, Boots, etc. . . . .                    | 20                                     | 677                   | 697     | 6                                      | 1,010                 | 1,016  | 318               |
| V. Books, Printing, etc. . . . .                           | 28                                     | 293                   | 321     | ..                                     | 109                   | 109    | 69                |
| VI. Other Manufacturing . . . . .                          | 1                                      | 347                   | 348     | ..                                     | 177                   | 177    | 202               |
| VII. Building . . . . .                                    | 513                                    | 6,108                 | 6,621   | 10                                     | 4,858                 | 4,868  | 4,037             |
| VIII. Mining, Quarrying, etc. . . . .                      | 145                                    | 2,156                 | 2,301   | ..                                     | 763                   | 763    | 1,033             |
| IX. Rail and Tram Services . . . . .                       | 75                                     | 12,325                | 12,400  | ..                                     | 5,319                 | 5,319  | 8,692             |
| X. Other Land Transport . . . . .                          | ..                                     | 2,650                 | 2,650   | ..                                     | 644                   | 644    | 579               |
| XI. Shipping, Wharf Labour, etc. . . . .                   | 2                                      | 424                   | 426     | ..                                     | 228                   | 228    | 205               |
| XII. Pastoral, Agricultural, Rural, etc. . . . .           | 1,576                                  | 15,500                | 17,076  | 14                                     | 8,049                 | 8,063  | 6,989             |
| XIII. Domestic, Hotels, etc. . . . .                       | 205                                    | 13,594                | 13,799  | 313                                    | 14,503                | 14,816 | 12,358            |
| XIV. General Labour and Miscellaneous. . . . .             | 4,508                                  | 62,008                | 66,516  | 9                                      | 21,933                | 21,942 | 24,846            |
| TOTAL . . . . .  | 7,475                                  | 124,429               | 131,904 | 356                                    | 61,328                | 61,684 | 62,699            |

\* Exclusive of Victoria, South Australia and Tasmania.

Attention has already been drawn to the fact that there is considerable diversity in the nature and scope of the work ordinarily carried out by the Bureaux in the various States. For example, in some States in which certain Government Departments obtain workers from the Labour Bureaux, the number of workers is naturally larger in comparison with the number in the same groups in other States. Thus, of the positions filled in Group IX. (Rail and Tramway Services), 11 per cent. were filled in New South Wales, 49 per cent. in Queensland, and 34 per cent. in South Australia. In Victoria, in this group, only 361 positions were filled, and in Western Australia only 5, while in Tasmania 106 positions were filled. Practically the whole of the positions filled in Group

XIII. (Domestic, Hotels, etc.) were in three States, New South Wales, Queensland and Western Australia. Of the positions filled in this group, 10,078, or 82 per cent., as against 8193, or 79 per cent. in 1919, were for female domestic workers, and the whole of these positions, with the exception of 5 in Tasmania, were filled in the three above-mentioned States, these being the only States which make special provisions for female workers. In the manufacturing groups (I. to VI.) 40 per cent. of the applicants obtained positions.

#### 5. Applications and Positions Filled during 1920, Males and Females.

—The following table gives particulars, for male and female workers separately, of the number of applications for employment, and from employers, and the number of positions filled during the year 1920 :—

#### State Free Employment Bureaux.—Applications and Positions Filled, Males and Females, 1920.

| Particulars.    | Applications for Employment.           |                       |         | *Applications from Employers.          |                       |        | Positions filled. |
|-----------------|--|-----------------------|---------|--|-----------------------|--------|-------------------|
|                 | On Live Register at Beginning of Year. | Received during Year. | Total.  | On Live Register at Beginning of Year. | Received during Year. | Total. |                   |
| Males .. .. .   | 7,304                                  | 113,116               | 120,420 | 163                                    | 48,146                | 48,309 | 57,646            |
| Females .. .. . | 171                                    | 11,310                | 11,484  | 193                                    | 13,182                | 13,375 | 11,053            |
| TOTAL .. .. .   | 7,475                                  | 124,429               | 131,904 | 356                                    | 61,328                | 61,684 | 62,699            |

\* Exclusive of Victoria, South Australia and Tasmania.

Of the total number of registrations for employment during the year 1920, 91.3 per cent. (against 90.7 per cent. in 1919) were made by males, and 8.7 per cent., by females. The percentage of positions filled for males was 82.4 per cent. (against 83.5 per cent. in 1919), and for females, 17.6 per cent.

For every 1000 applications for employment from male workers, 429 positions were filled in 1920, as against 467 in 1919, while for every 1000 applications from female workers, 962 were filled, as against 899 in 1919.

### SECTION XIV.—ASSISTED IMMIGRANTS.

1. **General.**—The following table shews the total number of immigrants, the cost of whose passage was wholly or partly defrayed by the State Governments, up to the end of the year 1912, and the number arriving in each year since that date. The figures for 1920 include immigrants who arrived through the Overseas Settlement Committee, exclusive of those arriving in South Australia, particulars for which State are not available.

**Commonwealth.—Number of Assisted, Selected, or Nominated Immigrants  
to the End of the Year 1920.**

| Particulars.      | To end<br>of 1912. | 1913.  | 1914.  | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. | Total.  |
|-------------------|--------------------|--------|--------|-------|-------|-------|-------|-------|-------|---------|
| No. of Immigrants | 773,174            | 37,445 | 20,805 | 5,796 | 1,397 | 504   | 426   | 245   | 9,059 | 848,851 |

During the three years 1911 to 1913, inclusive, the average number of assisted immigrants was 41,317. During 1914, as the result of the outbreak of war in the latter half of the year, the number dropped to 20,805. In each of the years 1915 to 1919 inclusive, the number of immigrants arriving has been small, and in 1919 was only 245. An appreciable increase is shown in 1920, when the total reached 9,059.

**2. Number of Assisted Immigrants arriving in each State, 1920.**—The following table shows the number of assisted immigrants arriving in each State during the year 1920 :—

**Assisted Immigrants.—Number arriving in each State, 1920.**

| Particulars. | N.S.W. | Vict. | Q'land. | S. Aust. | W. Aus. | Tas. | C'wlth. |
|--------------|--------|-------|---------|----------|---------|------|---------|
| Selected     |        |       |         |          |         |      |         |
| Male .. ..   | 192    | 737   | ..      | ..       | 634     | 153  | 1,716   |
| Female .. .. | 362    | 366   | ..      | ..       | 518     | 110  | 1,356   |
| Nominated    |        |       |         |          |         |      |         |
| Male .. ..   | 1,317  | 768   | 659     | ..       | 130     | 24   | 2,898   |
| Female .. .. | 1,340  | 892   | 613     | ..       | 217     | 27   | 3,089   |
| Total .. ..  | 3,211  | 2,763 | 1,272   | ..       | 1,499   | 314  | 9,059   |

**3. Number of Assisted Immigrants classified in Industrial Groups, 1920.**—In the following table particulars are given of assisted immigrants of each sex, classified according to industrial groups, dependants being specified separately :—

**Assisted Immigrants.—Classified according to Sex and Industrial Group, 1920.**

| INDUSTRIAL GROUP.                     | SELECTED. |         |        | NOMINATED. |         |        |
|---------------------------------------|-----------|---------|--------|------------|---------|--------|
|                                       | Males.    | Females | Total. | Males.     | Females | Total. |
| I. Wood, Furniture, etc. .. ..        | 5         | ..      | 5      | 46         | 1       | 47     |
| II. Engineering, Metals, etc. ..      | 19        | ..      | 19     | 336        | ..      | 336    |
| III. Food, Drink, Tobacco, etc. ..    | 2         | ..      | 2      | 82         | 20      | 102    |
| IV. Clothing, Hats, Boots, etc. ..    | 3         | 1       | 4      | 89         | 116     | 205    |
| V. Books, Printing, etc. .. ..        | 1         | ..      | 1      | 20         | 4       | 24     |
| VI. Other Manufacturing .. ..         | 4         | ..      | 4      | 46         | 6       | 52     |
| VII. Building .. ..                   | 11        | ..      | 11     | 102        | ..      | 102    |
| VIII. Mining .. ..                    | 2         | ..      | 2      | 80         | ..      | 80     |
| IX. Rail and Tramway Services ..      | ..        | ..      | ..     | 54         | ..      | 54     |
| X. Other Land Transport .. ..         | 4         | ..      | 4      | 65         | ..      | 65     |
| XI. Shipping, Wharf Labour, etc. ..   | 1         | ..      | 1      | 18         | ..      | 18     |
| XII. Pastoral, Agricultural, etc. ..  | 1,317     | 3       | 1,320  | 257        | 6       | 263    |
| XIII. Domestic, Hotels, etc. .. ..    | 1         | 472     | 473    | 60         | 544     | 604    |
| XIV. General Labour and Miscellaneous | 65        | 9       | 74     | 661        | 183     | 844    |
| Dependants, Adults .. ..              | 33        | 619     | 652    | 180        | 1,453   | 1,633  |
| ,, Children under 12 years ..         | 248       | 252     | 500    | 802        | 756     | 1,558  |
| TOTAL .. ..                           | 1,716     | 1,356   | 3,072  | 2,898      | 3,089   | 5,987  |

Of the total number of immigrants, 4345, or 47.9 per cent., were dependants. Of the dependants, 29.1 per cent. were males and 70.9 per cent. females

## SECTION XV.—INDUSTRIAL ACCIDENTS.

1. **Scope of Investigations.**—A list of the districts from which returns of industrial accidents are received is given on page 135 of Labour Report No. 6. Limitations of space preclude its repetition in the present number.

2. **Number of Accidents Reported during Years 1915 to 1920.**—The following table shows the number of accidents which were reported in each State during the years 1915 to 1920 :—

**Industrial Accidents.—Number Reported in each State during the Years 1915 to 1920.**

| Particulars.  |            | N.S.W. | Vic. | Q'land. | S.A. | W.A. | Tas. | C'wlth. |
|---|------------|--------|------|---------|------|------|------|---------|
| No. of Fatal Accidents                              | 1915 .. .. | 53     | 23   | 17      | 9    | 31   | 11   | 144     |
|   | 1916 .. .. | 52     | 18   | 12      | 8    | 21   | 3    | 114     |
|   | 1917 .. .. | 39     | 15   | 24      | 4    | 18   | 5    | 105     |
|   | 1918 .. .. | 42     | 20   | 23      | 6    | 31   | 5    | 127     |
|   | 1919 .. .. | 52     | 22   | 11      | 3    | 31   | 8    | 127     |
|   | 1920 .. .. | 39     | 16   | 18      | 4    | 25   | 5    | 107     |
| No. of Accidents incapacitating for over 14 days .. | 1915 .. .. | 2,811  | 401  | 517     | 97   | 980  | 77   | 4,883   |
|   | 1916 .. .. | 2,894  | 427  | 428     | 152  | 885  | 76   | 4,862   |
|   | 1917 .. .. | *      | 408  | 502     | 295  | 885  | 78   | 2,168†  |
|   | 1918 .. .. | *      | 370  | 521     | 317  | 733  | 59   | 2,000†  |
|   | 1919 .. .. | *      | 338  | 486     | 187  | 627  | 77   | 1,715†  |
|   | 1920 .. .. | *      | 608  | 594     | 105  | 569  | 73   | 1,949†  |

\* Owing to the repeal of the Miners' Accident Relief Act, particulars as to non-fatal mining accidents in New South Wales are not available. † Exclusive of New South Wales.

The total number of fatal accidents for the year 1920 was 107, a decrease of 15.7 per cent. over the figure for the previous year. There were decreases amounting to 25.0 per cent. in New South Wales, 27.3 per cent. in Victoria, 19.4 per cent. in Western Australia, and 37.5 per cent. in Tasmania, while there were increases of 63.6 per cent. in Queensland and 33.3 per cent. in South Australia.

As regards non-fatal accidents the number exclusive of New South Wales was 13.6 per cent. greater in 1920 than in 1919. There were decreases of 43.9 per cent. in South Australia, 9.3 per cent. in Western Australia, and 5.2 per cent. in Tasmania, and increases of 79.9 per cent. in Victoria, and 22.2 per cent. in Queensland.

3. **Number of Accidents Reported during the Four Quarters of 1920.**—The following table shews the number of accidents which were reported in each State during the four quarters of 1920 :—

**Industrial Accidents.—Number Reported in each State during the Four Quarters of 1920.**

| Particulars.                                     |             | N.S.W. | Vic. | Q'land | S.A. | W.A. | Tas. | C'wlth |
|--|-------------|--------|------|--------|------|------|------|--------|
| No. of Fatal Accidents                           | 1st Quarter | 11     | 2    | 4      | 1    | 7    | 3    | 28     |
|  | 2nd „       | 8      | 8    | 5      | 2    | 13   | 2    | 38     |
|  | 3rd „       | 10     | 3    | 7      | ..   | 2    | ..   | 22     |
|  | 4th „       | 10     | 3    | 2      | 1    | 3    | ..   | 19     |
| No. of Accidents incapacitating for over 14 days | 1st Quarter | *149   | 123  | 127    | 24   | 122  | 17   | 562†   |
|  | 2nd „       | *191   | 146  | 158    | 26   | 201  | 14   | 736†   |
|  | 3rd „       | *237   | 194  | 148    | 29   | 119  | 26   | 753†   |
|  | 4th „       | *226   | 145  | 161    | 26   | 127  | 16   | 701†   |

\* Owing to the repeal of the Miners' Accident Relief Act, particulars as to non-fatal mining accidents in New South Wales are not available. † Exclusive of non-fatal mining accidents in New South Wales.

**4. Number of Accidents Reported in each Industrial Group during the Year 1920.**—The following table gives similar particulars regarding accidents in various industrial groups :—

**Industrial Accidents.—Number Reported in various Industrial Groups during the Year 1920.**

| Industrial Group.         | Fatal. | Incapacitated<br>for over<br>14 days. | Industrial Group.                | Fatal. | Incapacitated<br>for over<br>14 days. |
|---------------------------|--------|---------------------------------------|----------------------------------|--------|---------------------------------------|
| I. Wood, Furniture, etc.  | 10     | 460                                   | VII. Building and Scaffolding .. | 6      | 29                                    |
| II. Engineering, etc. ..  | 5      | 608                                   | VIII. Mining ..                  | 68     | 959*                                  |
| III. Food, Drink, etc. .. | 2      | 128                                   | IX. Lifts ..                     | 3      | 17                                    |
| IV. Clothing, Hats, etc.  | ..     | 153                                   | X. Miscellaneous ..              | 3      | 74                                    |
| V. Books, Printing, etc.  | ..     | 103                                   |                                  |        |                                       |
| VI. Other Manufacturing   | 11     | 232                                   |                                  |        |                                       |
|                           |        |                                       | TOTAL .. ..                      | 108    | 2,763*                                |

\* Exclusive of non-fatal mining accidents in New South Wales.

The largest number of accidents occurred in the mining industry, 68, or 63 per cent. of the fatal accidents having occurred in that industry in 1920.

**5. Mining Accidents.—Sources of Information.**—The particulars regarding mining accidents in the different States are obtained from various sources. (a) *New South Wales*.—Returns of all accidents to persons employed in or about mines were formerly furnished by the Secretary of the Miners' Accident Relief Board, but details of fatal accidents are now supplied by the Mines Department. The Chief Inspector of Factories also furnishes returns of accidents occurring in smelting works (other than those directly connected with mines), which are registered as factories. (b) *Victoria*.—Returns of accidents are furnished by the Mines Department, with the exception of those occurring in a few metallurgical works, which are registered as factories, and are under the jurisdiction of the Chief Inspector of Factories. (c) *Queensland*.—In this State returns are furnished by the State Mining Engineer. (d) *South Australia*.—All particulars as to accidents in and about mines are furnished by the Chief Registrar of Mines. (e) *Western Australia*.—The State Mining Engineer sends particulars, and in cases of accidents occurring with machinery or boilers, the Chief Inspector of Machinery also furnishes returns. (f) *Tasmania*.—The Chief Inspector of Mines furnishes information regarding mining accidents, while the Chief Inspector of Machinery supplies details as to machinery and boiler accidents which are reported to him.

**6. Classification of Mining Accidents.**—In the following tables particulars are given of mining accidents reported by the Mines Departments in each State during the year 1920, shewing the class of mining (metalliferous or coal) in which they occurred, and the causes of such accidents :—

## Mining Accidents.—Classification according to Causes in each State, 1920.\*

## A.—Fatal Accidents.

| Cause of Accident.   | N.S.W.    | Vic.     | Q'land.   | S.A.     | W.A.      | Tas.     | C'with.   |
|--|-----------|----------|-----------|----------|-----------|----------|-----------|
| <b>(a) METALLIFEROUS MINES.</b>  |           |          |           |          |           |          |           |
| 1. <b>Below Ground—</b>  |           |          |           |          |           |          |           |
| Accidents caused by Explosives ..  | ..        | ..       | 1         | ..       | 1         | ..       | 2         |
| " " Falls of Ground ..   | ..        | ..       | 2         | ..       | 7         | ..       | 9         |
| " " Falling down Shafts, etc. ..   | ..        | 1        | 2         | 1        | 5         | 1        | 10        |
| Other Accidents .. .. .  | ..        | ..       | 2         | ..       | 3         | ..       | 5         |
| 2. <b>Above Ground—</b>  |           |          |           |          |           |          |           |
| Accidents caused by Machinery in Motion .. .. .  | 3         | 1        | ..        | ..       | 2         | ..       | 6         |
| Other Accidents .. .. .  | ..        | ..       | ..        | ..       | 3         | 1        | 4         |
| 3. <b>Accidents in Batteries, Ore-dressing, Smelting and other Metallurgical Works, etc. .. .. .</b> | 1         | ..       | 2         | 1        | 4         | 1        | 9         |
| <b>(b) COAL MINES.</b>   |           |          |           |          |           |          |           |
| 1. <b>Below Ground—</b>  |           |          |           |          |           |          |           |
| Accidents caused by Mine Explosions (Fire Damp, etc.) ..   | ..        | ..       | ..        | ..       | ..        | ..       | ..        |
| Accidents caused by Explosives (Dynamite, etc.) ..   | 1         | ..       | ..        | ..       | ..        | ..       | 1         |
| Accidents caused by Falls of Earth ..  | 6         | ..       | 2         | ..       | ..        | ..       | 8         |
| Other Accidents .. .. .  | 10        | 1        | ..        | ..       | ..        | ..       | 11        |
| 2. <b>Above Ground—</b>  |           |          |           |          |           |          |           |
| Accidents caused by Machinery in Motion .. .. .  | 1         | ..       | ..        | ..       | ..        | ..       | 1         |
| Other Accidents .. .. .  | 1         | ..       | ..        | ..       | ..        | ..       | 1         |
| <b>TOTAL .. .. .</b>   | <b>23</b> | <b>3</b> | <b>11</b> | <b>2</b> | <b>25</b> | <b>3</b> | <b>67</b> |

\* The figures relating to mining accidents do not in all cases correspond with those published by the Mines Departments of the various States, the discrepancies being due partly to the fact that accidents occurring in certain metallurgical works are not included in the figures issued by the Mines Departments, and partly to the fact that there is apparently lack of uniformity in the nature of the non-fatal accidents reported to, and by the various authorities.

## B.—Non-fatal Accidents Incapacitating for over 14 Days.

| Cause of Accident.   | * N.S.W.  | Vic.      | Q'land.    | S.A.      | W.A.       | Tas.      | † C'with.  |
|--|-----------|-----------|------------|-----------|------------|-----------|------------|
| <b>(a) METALLIFEROUS MINES.</b>  |           |           |            |           |            |           |            |
| 1. <b>Below Ground—</b>  |           |           |            |           |            |           |            |
| Accidents caused by Explosives ..  | ..        | ..        | 6          | ..        | 8          | 1         | 15         |
| " " Falls of Ground ..   | ..        | 1         | 8          | 1         | 38         | 1         | 49         |
| " " Falling Down Shafts, etc. ..   | ..        | 1         | ..         | 1         | 20         | 1         | 23         |
| Other Accidents .. .. .  | ..        | ..        | 154        | 1         | 251        | 13        | 419        |
| 2. <b>Above Ground—</b>  |           |           |            |           |            |           |            |
| Accidents caused by Machinery in Motion .. .. .  | ..        | ..        | 3          | ..        | 8          | ..        | 11         |
| Other Accidents .. .. .  | ..        | 1         | 27         | ..        | 97         | 28        | 153        |
| 3. <b>Accidents in Batteries, Ore-dressing, Smelting and other Metallurgical Works, etc. .. .. .</b> | ..        | 1         | 71         | 38        | 30         | 3         | 143        |
| <b>(b) COAL MINES.</b>   |           |           |            |           |            |           |            |
| 1. <b>Below Ground—</b>  |           |           |            |           |            |           |            |
| Accidents caused by Mine Explosions (Fire Damp, etc.) ..   | ..        | ..        | ..         | ..        | ..         | ..        | ..         |
| Accidents caused by Explosives (Dynamite, etc.) ..   | ..        | 3         | ..         | ..        | 2          | ..        | 2          |
| Accidents caused by Falls of Earth ..  | ..        | ..        | 2          | ..        | 16         | 4         | 25         |
| Other Accidents .. .. .  | ..        | 4         | 5          | ..        | 60         | 6         | 75         |
| 2. <b>Above Ground—</b>  |           |           |            |           |            |           |            |
| Accidents caused by Machinery in Motion .. .. .  | ..        | ..        | ..         | ..        | 4          | ..        | 4          |
| Other Accidents .. .. .  | ..        | ..        | 3          | ..        | 13         | 1         | 17         |
| <b>TOTAL .. .. .</b>   | <b>..</b> | <b>11</b> | <b>279</b> | <b>41</b> | <b>547</b> | <b>58</b> | <b>936</b> |

\* Not available.

† Exclusive of New South Wales



It will be seen from the foregoing tables that in 1920, 22 of the fatal, and †123 of the non-fatal accidents occurred in connection with coal mining.

The number of accidents occurring below ground in 1920 was considerably larger than that occurring above ground, the respective figures for the year being 46 fatal and †608 non-fatal accidents below ground, and 21 fatal and †328 non-fatal accidents above ground.

#### 7. Number of Accidents per 1000 Persons Employed in Mining.—

In the following table particulars are given for the year 1919 of the number of persons who met with accidents per 1000 persons employed. Comparative figures for 1920 are not yet available.

#### Number of Fatal and Non-fatal Accidents per 1000 Persons Engaged in Mining, 1919.

| STATE.                  | FATAL ACCIDENTS. |              | NON-FATAL ACCIDENTS. |              | ALL ACCIDENTS. |            |
|-------------------------|------------------|--------------|----------------------|--------------|----------------|------------|
|                         | Metal Mining.    | Coal Mining. | Metal Mining.        | Coal Mining. | Fatal.         | Non-fatal. |
| New South Wales .. ..   | 0.42             | 1.04         | *                    | *            | 0.77           | *          |
| Victoria .. ..          | 1.51             | 2.28         | 3.92                 | 5.47         | 1.82           | 4.54       |
| Queensland .. ..        | 0.17             | 3.10         | 33.50                | 8.85         | 1.00           | 26.56      |
| South Australia .. ..   | 0.77             | ..           | 113.08               | ..           | 0.77           | 113.08     |
| Western Australia .. .. | 3.41             | 1.38         | 62.73                | 162.53       | 3.24           | 71.41      |
| Tasmania .. ..          | 0.51             | ..           | 11.63                | 15.25        | 0.45           | 12.01      |
| COMMONWEALTH .. ..      | 1.12             | 1.32         | † 39.50              | † 29.15      | 1.22           | † 37.48    |

\* Not available.

† Exclusive of New South Wales.

## SECTION XVI.—INTERNATIONAL LABOUR STATISTICS.

1. **General.**—The particulars given in this section embody the most recent information available for various countries in regard to (i.) Unemployment; (ii.) Industrial Disputes; and (iii.) Price Indexes. As already explained in previous Labour Reports, any comparisons which can be made between the various countries are subject to limitations, details of which are given in Labour Report No. 8, pages 151 to 154.

2. **Unemployment.**—In the following table is shewn the percentage of numbers of Trade Unionists returned as unemployed for the years 1913 to 1920 :—

Percentage of Numbers of Trade Unionists Returned as Unemployed, 1913 to 1920.

| Country.       | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Australia ..   | 5.3   | 11.0  | 6.8   | 6.7   | 7.4   | 5.5   | 5.2   | 7.8   |
| Austria ..     | \$    | 8.1   | 4.4   | 3.8   | 2.5   | \$    | \$    | \$    |
| Belgium ..     | 2.7   | \$    | \$    | \$    | \$    | \$    | \$    | \$    |
| Canada ..      | \$    | \$    | \$    | 1.9   | 1.9   | 1.5   | 3.6   | 5.0   |
| Denmark ..     | 7.5   | 9.9   | 7.7   | 4.9   | 9.2   | 17.4  | 10.7  | 4.9   |
| France ..      | 4.7   | \$    | \$    | \$    | \$    | \$    | \$    | \$    |
| Germany* ..    | 2.9   | 7.2   | 3.2   | 2.2   | 1.0   | 1.2   | 3.7   | 3.8   |
| Great Britain* | 2.1   | 3.3   | 1.1   | 0.4   | 0.6   | 0.8   | 2.4   | 2.4   |
| Holland ..     | 5.1   | 16.2  | 14.6  | 5.8   | 9.6   | 10.0  | 8.9   | \$    |
| Norway ..      | 1.6   | 2.4   | 2.1   | 0.8   | 0.9   | 1.4   | \$    | \$    |
| Sweden ..      | 4.5   | 6.7   | 7.8   | 4.2   | 3.9   | 4.4   | 5.4   | 5.4   |
| U.S.A. :—      |       |       |       |       |       |       |       |       |
| N.York ..      | 20.9  | 27.5  | 22.7  | 11.1  | \$    | \$    | \$    | \$    |
| Massachusetts  | 6.3   | 10.4  | 7.7   | 3.0   | 4.2   | 2.9   | 5.3   | \$    |

\* Returns relate solely to Unions paying unemployed benefit. \$ Not available.

3. **Industrial Disputes.**—The statistics of trade disputes are summarised from reports issued by Government Labour Bureaux, but there is a considerable difference in the methods adopted for the collection of these statistics. Particulars of such differences are given in Labour Report No. 8, page 152.

The following table gives the number of disputes and the number of workers affected in various countries for the years 1912 to 1919:—

**Industrial Disputes in various Countries, 1912 to 1919.**

(NOTE.—For reasons indicated in Labour Report No. 8, page 152, direct comparisons between the several Countries cannot be made.)

| Country.            | 1912. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Number of Disputes. |       |       |       |       |       |       |       |       |
| Australia ..        | *     | 208   | 337   | 358   | 508   | 444   | 298   | 460   |
| Argentina ..        | 99    | 95    | 64    | 65    | 80    | 138   | 196   | 367   |
| Austria ..          | 801   | 461   | 278   | 40    | *     | *     | *     | *     |
| Belgium ..          | 206   | 167   | *     | *     | *     | *     | *     | *     |
| Canada ..           | 150   | 113   | 44    | 43    | 75    | 148   | 196   | 372   |
| Denmark ..          | 60    | 76    | 44    | 43    | 75    | 215   | 242   | 298   |
| Finland ..          | 59    | 70    | 37    | 0     | 0     | 483   | 9     | 39    |
| France ..           | 1,116 | 1,073 | 672   | 98    | 314   | 693   | *     | *     |
| Germany ..          | 2,834 | 2,464 | 1,223 | 141   | 240   | 562   | 773   | *     |
| United Kingdom      | 857   | 1,497 | 999   | 707   | 581   | 688   | 1,252 | 1,413 |
| Holland ..          | 283   | 427   | 271   | 268   | 377   | 344   | 325   | 649   |
| Italy ..            | 1,116 | 997   | 905   | 608   | 568   | 471   | *     | *     |
| Spain ..            | 169   | 201   | 140   | 91    | 178   | 176   | 256   | *     |
| Sweden ..           | 116   | 119   | 115   | 80    | 227   | 475   | *     | *     |
| Switzerland ..      | 65    | 302   | 31    | 12    | 35    | 140   | *     | *     |
| United States       | *     | *     | 1,204 | 1,593 | 3,789 | 4,450 | 3,337 | 3,374 |

**Number of Workers Affected (,000 omitted).**

|                |       |     |     |     |       |       |       |       |
|----------------|-------|-----|-----|-----|-------|-------|-------|-------|
| Australia ..   | *     | 50  | 71  | 81  | 171   | 174   | 56    | 158   |
| Argentina ..   | 9     | 24  | 14  | 12  | 24    | 136   | 133   | 309   |
| Austria ..     | 145   | 62  | 40  | 8   | *     | *     | *     | *     |
| Belgium ..     | 77    | 29  | *   | *   | *     | *     | *     | *     |
| Canada ..      | 41    | 40  | 9   | 9   | 21    | 48    | 68    | 185   |
| Denmark ..     | 4     | 10  | 3   | 2   | 14    | 7     | 10    | 139   |
| Finland ..     | 11    | 6   | 6   | 0   | 0     | 140   | 1     | 26    |
| France..       | 268   | 220 | 161 | 9   | 41    | *     | *     | 4     |
| Germany ..     | 481   | 311 | 95  | 13  | 124   | 651   | 1,304 | *     |
| United Kingdom | 1,463 | 689 | 448 | 453 | 284   | 861   | 1,097 | 2,586 |
| Holland ..     | 22    | 30  | 15  | 13  | 18    | 31    | 40    | 62    |
| Italy ..       | 253   | 464 | 217 | 180 | 136   | 170   | *     | *     |
| Spain ..       | 37    | 101 | 52  | 31  | 99    | 75    | 109   | *     |
| Sweden ..      | 10    | 10  | 14  | 5   | 21    | 46    | *     | *     |
| Switzerland .. | 4     | 25  | 1   | 1   | 3     | 13    | *     | *     |
| United States  | *     | *   | *   | *   | 1,600 | 1,227 | 1,240 | 4,113 |

\* Not available.

4. **Price Index - Numbers in various Countries.**—(i.) *Wholesale Prices.*—In the following table are shewn the wholesale price index-numbers for various countries for the years 1901 to 1920, compared with the year 1911 as base (= 1000). It must be understood that the figures do not shew the relative prices in the different countries, but merely exhibit the fluctuations in price-level in each country separately.

**Index-Numbers of Wholesale Prices in Australia and other Countries, 1901 to 1920,  
with Prices in 1911 as Base (= 1000).**

| Particulars.  | United Kingdom. |              |                        | France.               | Holland.                      | United States.    | Canada.               | Japan.                        | Australia                        |
|---------------|-----------------|--------------|------------------------|-----------------------|-------------------------------|-------------------|-----------------------|-------------------------------|----------------------------------|
| Index No.     | Board of Trade. | Economist.   | Sauerbeck and Statist. | Statistique Générale. | Central Bureau of Statistics. | Bureau of Labour. | Department of Labour. | Yokohama Chamber of Commerce. | Bureau of Census and Statistics. |
| No. of Items. | 45              | 22           | 39                     | 45                    | 45                            | 236               | 271                   | 47                            | 92                               |
| 1901 ..       | 883             | 891          | 875                    | 841                   | *                             | 833               | 840                   | *                             | 974                              |
| 1902 ..       | 881             | 874          | 862                    | 821                   | *                             | 840               | 856                   | *                             | 1,051                            |
| 1903 ..       | 886             | 904          | 862                    | 845                   | *                             | 840               | 867                   | *                             | 1,049                            |
| 1904 ..       | 898             | 856          | 875                    | 833                   | *                             | 906               | 874                   | 844                           | 890                              |
| 1905 ..       | 892             | 887          | 900                    | 870                   | *                             | 840               | 893                   | 919                           | 910                              |
| 1906 ..       | 921             | 952          | 987                    | 917                   | *                             | 927               | 942                   | 914                           | 948                              |
| 1907 ..       | 969             | 1,047        | 1,000                  | 963                   | *                             | 989               | 991                   | 990                           | 1,021                            |
| 1908 ..       | 941             | 921          | 912                    | 891                   | *                             | 958               | 949                   | 969                           | 1,115                            |
| 1909 ..       | 952             | 952          | 925                    | 896                   | *                             | 1,021             | 956                   | 1,018                         | 993                              |
| 1910 ..       | 995             | 978          | 975                    | 958                   | *                             | 1,052             | 975                   | 952                           | 1,000                            |
| 1911 ..       | <b>1,000</b>    | <b>1,000</b> | <b>1,000</b>           | <b>1,000</b>          | <b>1,000</b>                  | <b>1,000</b>      | <b>1,000</b>          | <b>1,000</b>                  | <b>1,000</b>                     |
| 1912 ..       | 1,050           | 1,067        | 1,062                  | 1,035                 | 1,093                         | 1,082             | 1,055                 | 1,052                         | 1,170                            |
| 1913 ..       | 1,065           | 1,052        | 1,062                  | 1,021                 | 1,085                         | 1,052             | 1,064                 | 1,052                         | 1,088                            |
| 1914 ..       | 1,071           | 1,045        | 1,075                  | 1,042                 | 1,070                         | 1,041             | 1,068                 | 986                           | 1,149                            |
| 1915 ..       | 1,315           | 1,328        | 1,336                  | 1,428                 | 1,240                         | 1,052             | 1,162                 | 941                           | 1,604                            |
| 1916 ..       | 1,705           | 1,724        | 1,694                  | 1,922                 | 1,658                         | 1,294             | 1,429                 | 961                           | 1,504                            |
| 1917 ..       | 2,220           | 2,158        | 2,189                  | 2,671                 | 2,868                         | 1,841             | 1,860                 | 1,240                         | 1,662                            |
| 1918 ..       | 2,443           | 2,366        | 2,405                  | 3,481                 | 3,822                         | 2,062             | 2,185                 | 2,072                         | 1,934                            |
| 1919 ..       | 2,708           | 2,474        | 2,569                  | 3,658                 | 2,814                         | 2,239             | 2,302                 | 2,525                         | 2,055                            |
| 1920 ..       | 3,395           | 2,979        | 3,099                  | 5,228                 | 2,628                         | 2,567             | 2,620                 | 2,731                         | 2,480                            |

\* Not available.

Compared with 1901, there has been a marked increase in prices in those countries for which particulars are available for 1920, the increase being greatest in France (522 per cent.), in the United Kingdom (258 per cent.), followed by Canada (212 per cent.), the United States (208 per cent.), and Australia (154 per cent.).

In the following table, wholesale price index-numbers for the years 1913 to 1920 are given for various countries, the prices for the year 1913, the year before the war, being taken as base (= 1000) :—

**Index-Numbers of Wholesale Prices in Various Countries, 1913 to 1920,  
with Prices in 1913 as base (= 1000).**

| Year | United Kingdom. |              |              | Canada.      | United States.    | France.               | Italy.       | Sweden.                 | Japan.                | Australia.                     |
|------|-----------------|--------------|--------------|--------------|-------------------|-----------------------|--------------|-------------------------|-----------------------|--------------------------------|
|      | Board of Trade. | Economist.   | Statist.     | Official.    | Bureau of Labour. | Statistique Générale. | Bachi.       | Svensk Handels tidning. | Bank of Japan, Tokio. | Bureau of Census & Statistics. |
| 1913 | <b>1,000</b>    | <b>1,000</b> | <b>1,000</b> | <b>1,000</b> | <b>1,000</b>      | <b>1,000</b>          | <b>1,000</b> | <b>1,000</b>            | <b>1,000</b>          | <b>1,000</b>                   |
| 1914 | 1,006           | 987          | 1,012        | 1,004        | 990               | 1,026                 | 951          | 1,160                   | 955                   | 1,056                          |
| 1915 | 1,235           | 1,231        | 1,258        | 1,092        | 1,000             | 1,409                 | 1,327        | 1,450                   | 967                   | 1,474                          |
| 1916 | 1,601           | 1,605        | 1,595        | 1,343        | 1,230             | 1,896                 | 1,997        | 1,850                   | 1,172                 | 1,382                          |
| 1917 | 2,086           | 2,041        | 2,061        | 1,749        | 1,750             | 2,626                 | 3,063        | 2,440                   | 1,485                 | 1,528                          |
| 1918 | 2,295           | 2,249        | 2,265        | 2,054        | 1,960             | 3,409                 | 4,091        | 3,390                   | 1,959                 | 1,778                          |
| 1919 | 2,543           | 2,352        | 2,419        | 2,164        | 2,120             | 3,583                 | 3,658        | 3,300                   | 2,395                 | 1,889                          |
| 1920 | 3,188           | 2,832        | 2,918        | 2,462        | 2,440             | 5,120                 | 6,244        | 3,470                   | 2,596                 | 2,280                          |

(ii) *Retail Prices.*—The index-numbers of retail prices for various countries from 1901 to 1920 are shewn in the following table. As is the case with the wholesale price-index numbers, they shew merely the fluctuations in prices in each individual country, and are not comparable horizontally.

**Index-Numbers of Retail Prices in Australia and other Countries, 1901 to 1920, with  
Prices in 1911 as Base (= 1000).**

| Particulars.  | United Kingdom. | Canada.               | United States.    | Australia.                       | New Zealand.             | Union of Sth. Africa. |
|---------------|-----------------|-----------------------|-------------------|----------------------------------|--------------------------|-----------------------|
| Index No.     | Board of Trade. | Department of Labour. | Bureau of Labour. | Bureau of Census and Statistics. | Government Statistician. | Director of Census.   |
| No. of Items. | 21              | 29                    | 15                | 46                               | *                        | *                     |
| 1901 .. .. .  | 918             | *                     | 758               | 880                              | *                        | 1,202                 |
| 1902 .. .. .  | 923             | *                     | 801               | 929                              | *                        | 1,167                 |
| 1903 .. .. .  | 940             | *                     | 802               | 910                              | *                        | 1,087                 |
| 1904 .. .. .  | 937             | *                     | 813               | 858                              | *                        | 1,014                 |
| 1905 .. .. .  | 940             | 768                   | 814               | 901                              | *                        | 980                   |
| 1906 .. .. .  | 932             | *                     | 841               | 902                              | *                        | 917                   |
| 1907 .. .. .  | 961             | *                     | 880               | 897                              | *                        | 909                   |
| 1908 .. .. .  | 983             | *                     | 910               | 951                              | 1,011                    | 930                   |
| 1909 .. .. .  | 984             | *                     | 959               | 948                              | 989                      | 918                   |
| 1910 .. .. .  | 1,000           | 973                   | 1,008             | 970                              | 1,008                    | 915                   |
| 1911 .. .. .  | 1,000           | 1,000                 | 1,000             | 1,000                            | 1,000                    | 1,000                 |
| 1912 .. .. .  | 1,046           | 1,027                 | 1,067             | 1,101                            | 1,035                    | 1,041                 |
| 1913 .. .. .  | 1,050           | 1,027                 | 1,089             | 1,104                            | 1,055                    | 1,049                 |
| 1914 .. .. .  | 1,068           | 1,083                 | 1,106             | 1,140                            | 1,107                    | 1,059                 |
| 1915 .. .. .  | 1,359           | 1,101                 | 1,097             | 1,278                            | 1,217                    | 1,111                 |
| 1916 .. .. .  | 1,653           | 1,231                 | 1,214             | 1,324                            | 1,290                    | 1,200                 |
| 1917 .. .. .  | 2,056           | 1,599                 | 1,561             | 1,318                            | 1,384                    | 1,323                 |
| 1918 .. .. .  | 2,238           | 1,819                 | 1,826             | 1,362                            | 1,513                    | 1,382                 |
| 1919 .. .. .  | 2,280           | 1,943                 | 2,022             | 1,510                            | 1,582                    | 1,508                 |
| 1920 .. .. .  | 2,723           | 2,237                 | 2,254             | 1,785                            | 1,825                    | 1,963                 |

\* Not available.

There was a general rise in retail prices in 1920; in the United Kingdom prices were 19.4 per cent., in Australia 18.2 per cent., in Canada 15.1 per cent., in the United States 11.5 per cent., and in the Union of South Africa 30.2 per cent., higher in 1920 than in 1919.

In the following table retail price index-numbers are given for the month of July for each year 1914 to 1920, and for January, 1921, taking the prices for July 1914 as base (= 1000). These figures relate to food-stuffs only, and are not comparable, as the list of commodities varies in each country.

**Index-Numbers of Retail Prices of Food in Various Countries for the month of  
July, 1914 to 1920, and for January, 1921, with Prices in July 1914 as  
Base (= 1000).**

| Year.              | United Kingdom. | France. |              | Belgium | Italy. |        | Norway. | Sweden. |
|--------------------|-----------------|---------|--------------|---------|--------|--------|---------|---------|
|                    |                 | Paris.  | Other Towns. |         | Rome.  | Milan. |         |         |
| July, 1914 .. .. . | 1,000           | 1,000   | 1,000        | 1,000   | 1,000  | 1,000  | 1,000   | 1,000   |
| " 1915 .. .. .     | 1,320           | 1,220   | 1,230        | *       | 950    | *      | 1,240   | 1,240   |
| " 1916 .. .. .     | 1,610           | 1,320   | 1,420        | *       | 1,110  | *      | 1,600   | 1,420   |
| " 1917 .. .. .     | 2,040           | 1,830   | 1,840        | *       | 1,370  | *      | 2,140   | 1,810   |
| " 1918 .. .. .     | 2,100           | 2,060   | 2,440        | *       | 2,030  | 3,250  | 2,790   | 2,680   |
| " 1919 .. .. .     | 2,170           | 2,610   | 2,930        | *       | 2,060  | 3,100  | 2,890   | 3,100   |
| " 1920 .. .. .     | 2,620           | 3,730   | 3,880        | 4,530   | 3,180  | 4,450  | 3,190   | 2,970   |
| Jan. 1921 .. .. .  | 2,630           | 4,100   | 4,300        | 4,500   | 3,670  | 5,730  | 3,340   | 2,830   |

| Year.              | Denmark | Holland (Amsterdam.) | Switzerland. | India (Calcutta). | United States. | Canada. | New Zealand. | Australia. |
|--------------------|---------|----------------------|--------------|-------------------|----------------|---------|--------------|------------|
|                    |         |                      |              |                   |                |         |              |            |
| July, 1914 .. .. . | 1,000   | 1,000                | 1,000        | 1,000             | 1,000          | 1,000   | 1,000        | 1,000      |
| " 1915 .. .. .     | 1,280   | 1,140                | 1,190        | 1,080             | 980            | 1,050   | 1,120        | 1,310      |
| " 1916 .. .. .     | 1,460   | 1,170                | 1,410        | 1,100             | 1,090          | 1,140   | 1,190        | 1,300      |
| " 1917 .. .. .     | 1,660   | 1,460                | 1,780        | 1,160             | 1,430          | 1,570   | 1,270        | 1,260      |
| " 1918 .. .. .     | 1,870   | 1,760                | 2,220        | 1,210             | 1,650          | 1,750   | 1,390        | 1,310      |
| " 1919 .. .. .     | 2,120   | 2,040                | 2,500        | 1,550             | 1,860          | 1,880   | 1,440        | 1,470      |
| " 1920 .. .. .     | 2,530   | 2,100                | 2,370        | 1,700             | 2,150          | 2,270   | 1,670        | 1,940      |
| Jan. 1921 .. .. .  | 2,760   | 1,930                | *            | *                 | 1,690          | 1,950   | 1,780        | 1,860      |

\* Not available.

## APPENDIX I.

Average Current Retail Prices in Metropolitan and Country Towns, 1920.

| Particulars.                       | Bread.       | Flour.        | Tea.         | Coffee.     | Sugar.     | Rice.      | Sago.      | Jam.       | Oat-meal.    | Rais-<br>ins. | Cur-<br>rants. | Starch      |
|------------------------------------|--------------|---------------|--------------|-------------|------------|------------|------------|------------|--------------|---------------|----------------|-------------|
| Unit of Quantity                   | 2 lbs.       | 25 lbs.       | per lb.      | per lb.     | per lb.    | per lb.    | per lb.    | per lb.    | per lb.      | per lb.       | per lb.        | per lb.     |
|                                    | d.           | s. d.         | s. d.        | s. d.       | d.         | d.         | d.         | d.         | d.           | d.            | d.             | d.          |
| <b>N.S. WALES</b>                  |              |               |              |             |            |            |            |            |              |               |                |             |
| Sydney ..                          | 6.1 5        | 11.7 2        | 3.5 2        | 2.6         | 5.4        | 7.5        | 5.9        | 8.9        | 5.2 0        | 11.1 0        | 11.0 0         | 10.3        |
| Newcastle ..                       | 6.1 6        | 0.1 2         | 4.7 2        | 1.4         | 5.5        | 7.9        | 6.5        | 9.3        | 5.8 1        | 0.3 0         | 11.5 0         | 10.8        |
| Broken Hill                        | 6.3 6        | 1.2 2         | 8.6 2        | 7.5         | 6.0        | 9.9        | 8.2        | 9.4        | 5.6 1        | 0.0 0         | 10.9 0         | 11.5        |
| Goulburn                           | 6.2 6        | 0.1 2         | 4.9 2        | 3.1         | 5.8        | 8.2        | 7.2        | 9.4        | 6.1 1        | 0.9 1         | 0.4 0          | 11.9        |
| Bathurst ..                        | 5.8 5        | 11.9 2        | 4.6 2        | 0.7         | 5.8        | 8.0        | 6.5        | 9.6        | 6.1 1        | 0.0 0         | 11.6 0         | 11.3        |
| <b>Weighted Aver.</b>              | <b>6.1 5</b> | <b>11.8 2</b> | <b>3.8 2</b> | <b>2.7</b>  | <b>5.4</b> | <b>7.6</b> | <b>6.1</b> | <b>8.9</b> | <b>5.3 0</b> | <b>11.3 0</b> | <b>11.1 0</b>  | <b>10.5</b> |
| <b>VICTORIA</b>                    |              |               |              |             |            |            |            |            |              |               |                |             |
| Melbourne                          | 5.4 5        | 8.1 2         | 2.8 2        | 2.6         | 5.4        | 8.1        | 5.7        | 9.1        | 4.6 0        | 11.6 0        | 11.2 0         | 10.6        |
| Ballarat ..                        | 5.4 5        | 1.6 2         | 3.4 2        | 1.8         | 5.5        | 8.0        | 5.4        | 9.0        | 5.0 0        | 11.1 0        | 11.1 0         | 10.7        |
| Bendigo ..                         | 5.3 5        | 4.1 2         | 0.4 2        | 0.9         | 5.6        | 7.9        | 5.7        | 8.3        | 4.6 0        | 11.5 0        | 11.2 0         | 9.5         |
| Geelong ..                         | 5.3 5        | 5.2 2         | 0.7 2        | 0.5         | 5.1        | 7.9        | 5.7        | 8.0        | 4.8 0        | 11.0 0        | 10.3 0         | 10.5        |
| Warrnambool                        | 5.4 5        | 0.6 2         | 4.4 2        | 1.3         | 5.6        | 7.9        | 6.1        | 9.4        | 5.3 0        | 11.2 0        | 11.3 0         | 11.5        |
| <b>Weighted Aver.</b>              | <b>5.4 5</b> | <b>7.2 2</b>  | <b>2.6 2</b> | <b>2.3</b>  | <b>5.4</b> | <b>8.1</b> | <b>5.7</b> | <b>9.0</b> | <b>4.7 0</b> | <b>11.5 0</b> | <b>11.2 0</b>  | <b>10.6</b> |
| <b>QUEENSLAND</b>                  |              |               |              |             |            |            |            |            |              |               |                |             |
| Brisbane ..                        | 5.9 6        | 3.8 2         | 4.9 2        | 3.7         | 5.3        | 8.8        | 5.1        | 9.5        | 5.4 1        | 0.3 0         | 11.4 0         | 10.9        |
| Toowoomba                          | 6.4 6        | 5.6 2         | 5.8 2        | 2.7         | 5.6        | 9.4        | 5.7        | 9.8        | 5.8 0        | 11.6 0        | 11.7 0         | 11.6        |
| Rockhampton                        | 6.4 6        | 9.8 2         | 4.5 2        | 2.1         | 5.3        | 8.9        | 5.4        | 8.4        | 5.7 0        | 11.0 0        | 11.0 0         | 10.9        |
| Charters Towers                    | 6.8 7        | 1.1 2         | 7.7 2        | 6.4         | 5.9        | 9.4        | 6.8        | 9.2        | 6.1 1        | 1.6 1         | 0.5 0          | 11.6        |
| Warwick ..                         | 6.6 6        | 10.3 2        | 5.7 2        | 0.4         | 5.7        | 8.9        | 6.2        | 9.9        | 5.7 1        | 0.2 0         | 11.7 1         | 0.0         |
| <b>Weighted Aver.</b>              | <b>6.1 6</b> | <b>5.5 2</b>  | <b>5.1 2</b> | <b>3.6</b>  | <b>5.4</b> | <b>8.9</b> | <b>5.4</b> | <b>9.4</b> | <b>5.5 1</b> | <b>0.2 0</b>  | <b>11.5 0</b>  | <b>11.1</b> |
| <b>S. AUSTRALIA</b>                |              |               |              |             |            |            |            |            |              |               |                |             |
| Adelaide ..                        | 5.5 5        | 9.7 2         | 5.6 2        | 4.7         | 5.4        | 9.0        | 6.5        | 8.5        | 4.5 0        | 11.3 0        | 10.2 0         | 9.8         |
| Moonta etc.                        | 5.5 5        | 3.5 2         | 6.6 2        | 7.6         | 5.4        | 9.0        | 7.5        | 8.7        | 5.2 0        | 11.2 0        | 9.8 0          | 10.5        |
| Port Pirie ..                      | 5.2 5        | 6.7 2         | 6.0 2        | 7.5         | 5.7        | 8.8        | 7.5        | 8.5        | 5.3 0        | 11.2 0        | 10.4 0         | 10.5        |
| Mt. Gambier                        | 5.0 5        | 4.5 2         | 8.2 2        | 8.5         | 5.7        | 9.0        | 7.3        | 8.3        | 4.9 0        | 11.5 0        | 10.0 0         | 10.2        |
| Peterborough                       | 5.5 5        | 9.1 2         | 9.8 2        | 9.1         | 5.8        | 9.4        | 7.5        | 9.3        | 5.6 1        | 0.3 0         | 10.0 0         | 10.6        |
| <b>Weighted Aver.</b>              | <b>5.4 5</b> | <b>9.0 2</b>  | <b>5.8 2</b> | <b>5.2</b>  | <b>5.4</b> | <b>9.0</b> | <b>6.7</b> | <b>8.5</b> | <b>4.6 0</b> | <b>11.3 0</b> | <b>10.2 0</b>  | <b>9.9</b>  |
| <b>W. AUSTRALIA</b>                |              |               |              |             |            |            |            |            |              |               |                |             |
| Perth ..                           | 5.4 5        | 3.6 2         | 3.9 2        | 1.4         | 5.4        | 7.5        | 5.6        | 8.4        | 5.0 0        | 10.6 0        | 10.6 0         | 10.9        |
| Kalgoorlie ..                      | 5.9 5        | 10.9 2        | 6.8 2        | 4.4         | 6.2        | 8.9        | 7.5        | 9.7        | 5.5 1        | 0.7 1         | 0.8 1          | 1.0         |
| Mid. Junction                      | 5.4 5        | 4.0 2         | 5.7 2        | 0.4         | 5.4        | 7.5        | 5.9        | 8.4        | 5.4 0        | 9.2 0         | 10.1 0         | 10.7        |
| Bunbury ..                         | 4.0 5        | 5.4 2         | 4.3 2        | 0.6         | 5.7        | 7.7        | 6.4        | 8.5        | 5.4 0        | 10.8 0        | 11.0 0         | 10.8        |
| Geraldton                          | 5.5 5        | 4.4 2         | 5.1 2        | 0.5         | 5.9        | 7.9        | 6.5        | 8.9        | 5.8 1        | 0.2 0         | 11.4 1         | 0.3         |
| <b>Weighted Aver.</b>              | <b>5.5 5</b> | <b>5.2 2</b>  | <b>4.6 2</b> | <b>1.9</b>  | <b>5.6</b> | <b>7.8</b> | <b>6.1</b> | <b>8.7</b> | <b>5.2 0</b> | <b>11.0 0</b> | <b>11.1 0</b>  | <b>11.4</b> |
| <b>TASMANIA</b>                    |              |               |              |             |            |            |            |            |              |               |                |             |
| Hobart ..                          | 5.5 5        | 5.1 2         | 2.7 1        | 11.2        | 5.4        | 8.5        | 6.4        | 8.2        | 4.7 0        | 11.2 0        | 11.4 0         | 10.6        |
| Launceston                         | 5.5 5        | 3.6 2         | 3.0 1        | 10.3        | 5.2        | 7.8        | 5.4        | 8.0        | 4.5 0        | 10.9 0        | 10.6 0         | 10.4        |
| Zeehan ..                          | 6.3 5        | 10.7 2        | 8.8 2        | 3.6         | 5.7        | 8.8        | 6.9        | 8.8        | 5.8 1        | 0.7 0         | 11.9 1         | 0.7         |
| Beaconsfield                       | 5.5 5        | 5.1 2         | 4.7 1        | 9.9         | 5.7        | 8.5        | 7.1        | 8.7        | 5.1 0        | 11.8 0        | 11.5 0         | 11.5        |
| Queenstown                         | 5.4 5        | 6.2 2         | 5.4 2        | 1.7         | 5.6        | 8.5        | 6.4        | 8.6        | 5.0 1        | 1.6 0         | 11.4 0         | 10.0        |
| <b>Weighted Aver.</b>              | <b>5.5 5</b> | <b>5.0 2</b>  | <b>3.4 1</b> | <b>11.2</b> | <b>5.4</b> | <b>8.3</b> | <b>6.1</b> | <b>8.2</b> | <b>4.7 0</b> | <b>11.3 0</b> | <b>11.2 0</b>  | <b>10.6</b> |
| <b>Weighted Aver. Commonwealth</b> | <b>5.7 5</b> | <b>9.8 2</b>  | <b>3.8 2</b> | <b>2.7</b>  | <b>5.4</b> | <b>8.1</b> | <b>5.9</b> | <b>8.9</b> | <b>5.0 0</b> | <b>11.4 0</b> | <b>11.1 0</b>  | <b>10.6</b> |



## Average Current Retail Prices in Metropolitan and Country Towns, 1920—cont.

| Particulars.                       | Blue.          | C'ndles    | Soap.      | Pota-<br>toes. | Onions     | Kero-<br>sene. | Milk.      | Butter         | Cheese     | Eggs.           | Bacon<br>Middle | Bacon<br>Shoulder. |
|------------------------------------|----------------|------------|------------|----------------|------------|----------------|------------|----------------|------------|-----------------|-----------------|--------------------|
| Unit of Quantity                   | dz. sq.        | per lb.    | per lb.    | 14 lbs.        | per lb.    | gallon         | quart      | per lb.        | per lb.    | per dz.         | per lb.         | per lb.            |
|                                    | s. d.          | s. d.      | d.         | s. d.          | d.         | s. d.          | d.         | s. d.          | s. d.      | s. d.           | s. d.           | s. d.              |
| <b>N.S. WALES</b>                  |                |            |            |                |            |                |            |                |            |                 |                 |                    |
| Sydney ..                          | 1 4.3 1        | 2.4        | 7.9        | 2 7.7          | 3.3        | 2 8.7          | 8.3        | 2 4.2 1        | 5.3        | 2 9.0 1         | 11.3 1          | 4.8                |
| Newcastle ..                       | 1 5.3 1        | 2.0        | 8.5        | 2 6.2          | 3.7        | 2 8.0          | 7.5        | 2 4.5 1        | 5.2        | 2 7.1 1         | 10.9 1          | 7.6                |
| Broken Hill ..                     | 1 2.3 1        | 4.5        | 8.3        | 2 6.3          | 2.9        | 3 7.0          | 9.6        | 2 6.4 1        | 7.1        | 2 1.2 1         | 10.2 1          | 8.1                |
| Goulburn ..                        | 1 5.9 1        | 1.9        | 9.3        | 2 4.6          | 3.8        | 2 11.5         | 7.4        | 2 4.7 1        | 6.4        | 2 3.2 1         | 11.8 1          | 7.5                |
| Bathurst ..                        | 1 5.8 1        | 2.1        | 9.1        | 2 1.3          | 3.1        | 3 0.6          | 7.7        | 2 5.2 1        | 6.4        | 2 4.4 2         | 0.1 1           | 6.9                |
| <b>Weighted Aver.</b>              | <b>1 4.4 1</b> | <b>2.5</b> | <b>8.0</b> | <b>2 7.4</b>   | <b>3.3</b> | <b>2 9.2</b>   | <b>8.2</b> | <b>2 4.3 1</b> | <b>5.4</b> | <b>2 8.4 1</b>  | <b>11.2 1</b>   | <b>5.2</b>         |
| <b>VICTORIA</b>                    |                |            |            |                |            |                |            |                |            |                 |                 |                    |
| Melbourne ..                       | 1 1.2 1        | 2.2        | 7.3        | 1 8.3          | 2.4        | 2 10.8         | 7.8        | 2 5.1 1        | 5.7        | 2 3.4 2         | 1.0 1           | 6.0                |
| Ballarat ..                        | 1 2.1 1        | 1.6        | 7.9        | 1 7.5          | 2.4        | 3 3.6          | 7.5        | 2 5.6 1        | 4.7        | 1 10.6 2        | 1.7 1           | 7.8                |
| Bendigo ..                         | 1 1.2 1        | 3.3        | 6.4        | 1 7.8          | 2.2        | 3 1.5          | 7.3        | 2 4.5 1        | 4.6        | 1 10.0 1        | 10.0 1          | 4.8                |
| Geelong ..                         | 1 3.1 1        | 0.8        | 7.3        | 1 8.2          | 2.2        | 3 1.4          | 7.2        | 2 4.2 1        | 4.8        | 1 11.0 2        | 0.3 1           | 6.4                |
| Warrnambool ..                     | 1 1.5 1        | 1.3        | 6.4        | 1 6.0          | 2.4        | 3 0.6          | 6.2        | 2 4.4 1        | 4.8        | 1 9.0 1         | 11.5 1          | 5.4                |
| <b>Weighted Aver.</b>              | <b>1 1.4 1</b> | <b>2.2</b> | <b>7.3</b> | <b>1 8.2</b>   | <b>2.4</b> | <b>2 11.4</b>  | <b>7.7</b> | <b>2 5.0 1</b> | <b>5.5</b> | <b>2 2.4 2</b>  | <b>0.8 1</b>    | <b>6.1</b>         |
| <b>QUEENSLAND</b>                  |                |            |            |                |            |                |            |                |            |                 |                 |                    |
| Brisbane ..                        | 1 0.7 1        | 1.2        | 8.2        | 2 7.5          | 3.0        | 2 11.8         | 7.5        | 2 2.7 1        | 3.9        | 2 3.8 1         | 10.7 1          | 4.0                |
| Toowoomba ..                       | 1 0.8 1        | 1.8        | 7.9        | 2 7.0          | 3.3        | 3 2.5          | 7.5        | 2 3.0 1        | 4.1        | 2 0.1 1         | 8.3 1           | 4.5                |
| Rockhampt'n ..                     | 1 2.2 1        | 2.0        | 8.1        | 2 11.6         | 2.9        | 2 9.1          | 8.0        | 2 1.9 1        | 4.0        | 2 3.1 1         | 9.0 1           | 5.2                |
| Towers ..                          | 1 5.1 1        | 4.2        | 9.1        | 3 7.8          | 4.1        | 3 0.1          | 6.6        | 2 4.9 1        | 6.4        | 2 9.2 1         | 10.8 1          | 7.6                |
| Warwick ..                         | 1 3.8 1        | 2.6        | 8.9        | 2 6.3          | 3.2        | 3 1.1          | 6.7        | 2 2.2 1        | 4.4        | 1 11.4 1        | 8.8 1           | 5.6                |
| <b>Weighted Aver.</b>              | <b>1 1.3 1</b> | <b>1.7</b> | <b>8.2</b> | <b>2 8.9</b>   | <b>3.1</b> | <b>2 11.8</b>  | <b>7.5</b> | <b>2 2.8 1</b> | <b>4.2</b> | <b>2 3.7 1</b>  | <b>10.2 1</b>   | <b>4.4</b>         |
| <b>S. AUSTRALIA</b>                |                |            |            |                |            |                |            |                |            |                 |                 |                    |
| Adelaide ..                        | 1 0.3 1        | 3.1        | 7.2        | 2 3.1          | 2.5        | 2 11.4         | 7.6        | 2 5.7 1        | 5.6        | 1 11.9 1        | 10.2 1          | 5.5                |
| Moonta, etc. ..                    | 1 1.3 1        | 3.2        | 7.5        | 2 4.7          | 3.0        | 3 1.7          | 7.1        | 2 4.5 1        | 6.1        | 1 7.7 1         | 10.9 1          | 8.6                |
| Port Pirie ..                      | 1 1.2 1        | 4.0        | 7.9        | 2 3.3          | 2.7        | 3 4.5          | 7.2        | 2 5.2 1        | 6.3        | 1 8.8 1         | 8.8 1           | 5.3                |
| Mt. Gambier ..                     | 1 0.8 1        | 2.7        | 7.3        | 1 9.1          | 2.4        | 3 1.4          | 6.6        | 2 2.0 1        | 3.9        | 1 6.0 1         | 9.0 1           | 5.9                |
| Peterborough ..                    | 1 0.8 1        | 3.8        | 7.6        | 2 6.7          | 3.1        | 3 3.3          | 6.2        | 2 1.3 1        | 6.7        | 1 7.2 1         | 10.5 1          | 9.1                |
| <b>Weighted Aver.</b>              | <b>1 0.4 1</b> | <b>3.1</b> | <b>7.2</b> | <b>2 3.0</b>   | <b>2.6</b> | <b>2 11.9</b>  | <b>7.5</b> | <b>2 5.5 1</b> | <b>5.6</b> | <b>1 11.3 1</b> | <b>10.1 1</b>   | <b>5.7</b>         |
| <b>W. AUSTRALIA</b>                |                |            |            |                |            |                |            |                |            |                 |                 |                    |
| Perth ..                           | 1 5.2 1        | 2.2        | 5.8        | 2 6.0          | 3.2        | 2 9.9          | 8.3        | 2 5.2 1        | 6.0        | 2 4.2 1         | 10.9 1          | 3.9                |
| Kalgoorlie ..                      | 1 8.3 1        | 3.4        | 8.0        | 3 0.6          | 4.1        | 3 9.0          | 9.2        | 2 7.1 1        | 7.5        | 2 7.2 1         | 10.8 1          | 6.4                |
| Mid. Junction ..                   | 1 4.7 1        | 2.5        | 6.9        | 2 8.0          | 3.6        | 2 11.4         | 7.9        | 2 5.2 1        | 6.2        | 2 4.7 1         | 11.8 1          | 6.7                |
| Bunbury ..                         | 1 5.5 1        | 1.7        | 6.3        | 2 3.7          | 3.4        | 2 11.3         | 6.8        | 2 4.6 1        | 6.8        | 2 1.9 1         | 11.3 1          | 6.8                |
| Geraldton ..                       | 1 8.1 1        | 3.5        | 6.1        | 2 11.5         | 3.8        | 3 0.2          | 6.9        | 2 5.7 1        | 7.6        | 1 11.9 2        | 0.5 1           | 8.4                |
| <b>Weighted Aver.</b>              | <b>1 5.9 1</b> | <b>2.5</b> | <b>6.3</b> | <b>2 7.4</b>   | <b>3.4</b> | <b>3 0.4</b>   | <b>8.4</b> | <b>2 5.6 1</b> | <b>6.4</b> | <b>2 4.7 1</b>  | <b>11.0 1</b>   | <b>4.7</b>         |
| <b>TASMANIA</b>                    |                |            |            |                |            |                |            |                |            |                 |                 |                    |
| Hobart ..                          | 1 0.6 1        | 0.6        | 7.4        | 2 2.3          | 3.3        | 2 9.6          | 8.6        | 2 5.3 1        | 6.2        | 2 2.9 1         | 10.7 1          | 2.6                |
| Launceston ..                      | 1 0.1 1        | 0.4        | 6.6        | 2 0.9          | 3.0        | 2 10.2         | 7.5        | 2 4.6 1        | 5.2        | 1 11.1 1        | 10.9 1          | 4.8                |
| Zeehan ..                          | 1 4.1 1        | 3.2        | 8.8        | 2 5.8          | 3.5        | 3 3.0          | 7.2        | 2 5.3 1        | 6.6        | 2 4.4 1         | 9.5 1           | 6.4                |
| Beaconsfield ..                    | 1 3.6 1        | 1.6        | 8.0        | 1 8.3          | 3.4        | 3 1.3          | 6.2        | 2 3.7 1        | 5.6        | 1 9.2 1         | 9.6 1           | 7.1                |
| Queenstown ..                      | 1 2.7 1        | 1.1        | 7.3        | 2 3.7          | 3.1        | 3 3.8          | 7.9        | 2 5.2 1        | 5.7        | 2 4.1 1         | 7.4 1           | 5.3                |
| <b>Weighted Aver.</b>              | <b>1 0.9 1</b> | <b>0.7</b> | <b>7.2</b> | <b>2 1.9</b>   | <b>3.2</b> | <b>2 10.6</b>  | <b>8.1</b> | <b>2 5.0 1</b> | <b>5.9</b> | <b>2 1.6 1</b>  | <b>10.4 1</b>   | <b>3.8</b>         |
| <b>Weighted Aver. Commonwealth</b> | <b>1 2.6 1</b> | <b>2.3</b> | <b>7.5</b> | <b>2 3.1</b>   | <b>2.9</b> | <b>2 11.0</b>  | <b>7.9</b> | <b>2 4.7 1</b> | <b>5.4</b> | <b>2 4.4 1</b>  | <b>11.5 1</b>   | <b>5.4</b>         |

## Average Current Retail Prices in Metropolitan and Country Towns, 1920—cont.

| Particulars.                | Ham.    | Beef<br>Fresh<br>sirloin. | Beef<br>Fresh<br>Rib. | Beef<br>Fresh<br>Flank. | Beef<br>Fresh<br>Shin. | Steak<br>Rump. | Steak<br>Shoulder. | Steak<br>Stew-<br>ing. | Beef<br>Co'n'd<br>round | Beef<br>Co'n'd<br>brisket<br>with<br>bone. | Beef<br>Co'n'd<br>brisket<br>with-<br>out<br>bone. | Mutt'n<br>Leg. |         |
|-----------------------------|---------|---------------------------|-----------------------|-------------------------|------------------------|----------------|--------------------|------------------------|-------------------------|--|--|----------------|---------|
| Unit of Quantity            | per lb. | per lb.                   | per lb.               | per lb.                 | per lb.                | per lb.        | per lb.            | per lb.                | per lb.                 | per lb.                                    | per lb.  | per lb.        |         |
|                             | s. d.   | d.                        | d.                    | d.                      | d.                     | s. d.          | s. d.              | d.                     | d.                      | d.   | d.   | d.             |         |
| N.S. WALES                  |         |                           |                       |                         |                        |                |                    |                        |                         |  |  |                |         |
| Sydney ..                   | 2       | 2 7/1                     | 0 4/0                 | 10 6/10                 | 10 6/10                | 8 3/1          | 1 4 8/0            | 10 4/0                 | 9 2/0                   | 10 7/0                                     | 7 2/0  | 9 5/0          | 9 1/10  |
| Newcastle ..                | 2       | 1 5/0                     | 11 5/0                | 10 2/0                  | 9 0/0                  | 7 8/1          | 1 3 7/0            | 10 3/0                 | 9 6/0                   | 10 7/0                                     | 7 2/0  | 9 7/0          | 10 1/10 |
| Broken Hill ..              | 1       | 11 5/1                    | 1 9/1                 | 0 1/0                   | 8 9/0                  | 8 4/1          | 1 7 6/1            | 3 9/1                  | 2 7/1                   | 2 1/0                                      | 10 0/1   | 0 1/0          | 11 3/10 |
| Goulburn ..                 | 2       | 0 1/0                     | 11 7/0                | 10 4/0                  | 8 3/0                  | 7 7/1          | 1 3 4/0            | 10 9/0                 | 10 6/1                  | 0 0/0                                      | 9 2/0  | 10 9/0         | 10 5/10 |
| Bathurst ..                 | 2       | 2 1/0                     | 11 6/0                | 9 8/0                   | 8 1/0                  | 8 2/1          | 1 2 1/0            | 9 8/0                  | 9 4/0                   | 10 4/0                                     | 8 6/0  | 10 2/0         | 9 9/10  |
| Weighted Aver.              | 2       | 2 4/1                     | 0 4/0                 | 10 7/10                 | 10 3/10                | 8 3/1          | 1 4 8/0            | 10 6/0                 | 9 5/0                   | 10 9/0                                     | 7 4/0  | 9 7/0          | 9 3/10  |
| VICTORIA                    |         |                           |                       |                         |                        |                |                    |                        |                         |  |  |                |         |
| Melbourne ..                | 2       | 2 1/1                     | 0 5/0                 | 11 2/0                  | 9 8/0                  | 9 0/1          | 1 4 9/0            | 11 4/0                 | 10 1/0                  | 11 6/0                                     | 7 6/0  | 10 1/0         | 9 7/10  |
| Ballarat ..                 | 2       | 2 3/1                     | 1 0/0                 | 11 4/0                  | 9 8/0                  | 8 0/1          | 1 4 3/0            | 11 3/0                 | 10 7/1                  | 0 9/0                                      | 8 8/0  | 11 1/0         | 10 1/10 |
| Bendigo ..                  | 2       | 0 3/0                     | 11 6/0                | 10 9/0                  | 7 9/0                  | 8 2/1          | 1 3 4/0            | 11 1/0                 | 10 0/0                  | 10 9/0                                     | 8 1/0  | 10 3/0         | 10 1/10 |
| Geelong ..                  | 2       | 0 8/1                     | 0 1/0                 | 11 1/0                  | 9 4/0                  | 7 7/1          | 1 3 5/0            | 10 7/0                 | 9 8/0                   | 11 3/0                                     | 8 6/0  | 10 2/0         | 9 9/10  |
| Warrnambool ..              | 1       | 11 8/1                    | 0 4/0                 | 11 2/0                  | 8 2/0                  | 9 6/1          | 1 4 3/0            | 11 9/0                 | 11 0/1                  | 0 5/0                                      | 8 9/0  | 10 9/0         | 10 9/10 |
| Weighted Aver.              | 2       | 1 9/1                     | 0 4/0                 | 11 2/10                 | 9 6/10                 | 8 8/1          | 1 4 7/0            | 11 3/0                 | 10 2/0                  | 11 7/0                                     | 7 8/0  | 10 2/0         | 9 8/10  |
| QUEENSLAND                  |         |                           |                       |                         |                        |                |                    |                        |                         |  |  |                |         |
| Brisbane ..                 | 2       | 3 1/0                     | 10 1/0                | 7 4/0                   | 7 7/0                  | 5 9/0          | 0 11 8/0           | 7 9/0                  | 7 8/0                   | 9 0/0                                      | 5 8/0  | 8 2/0          | 9 9/10  |
| Toowoomba ..                | 2       | 1 8/0                     | 8 3/0                 | 6 4/0                   | 5 4/0                  | 4 4/0          | 0 10 5/0           | 6 8/0                  | 6 9/0                   | 7 9/0                                      | 5 4/0  | 7 0/0          | 8 9/10  |
| Rockhampton ..              | 2       | 3 5/0                     | 9 5/0                 | 8 4/0                   | 6 7/0                  | 5 8/0          | 0 10 8/0           | 7 6/0                  | 7 3/0                   | 8 0/0                                      | 6 5/0  | 7 3/0          | 10 3/10 |
| Charters Towers ..          | 2       | 5 9/0                     | 8 8/0                 | 6 4/0                   | 6 4/0                  | 5 8/0          | 0 9 7/0            | 7 3/0                  | 7 3/0                   | 7 7/0                                      | 5 3/0  | 6 5/0          | 8 7/10  |
| Warwick ..                  | 2       | 2 3/0                     | 9 3/0                 | 7 9/0                   | 6 4/0                  | 5 4/0          | 0 10 2/0           | 8 1/0                  | 7 9/0                   | 8 9/0                                      | 6 5/0  | 7 0/0          | 10 0/10 |
| Weighted Aver.              | 2       | 3 2/0                     | 9 8/0                 | 7 4/10                  | 7 2/10                 | 5 7/0          | 0 11 3/0           | 7 7/0                  | 7 6/0                   | 8 7/0                                      | 5 8/0  | 7 8/0          | 9 8/10  |
| S. AUSTRALIA                |         |                           |                       |                         |                        |                |                    |                        |                         |  |  |                |         |
| Adelaide ..                 | 2       | 0 2/1                     | 0 4/0                 | 11 1/0                  | 11 1/0                 | 9 6/1          | 1 5 0/0            | 11 7/0                 | 11 3/1                  | 0 3/0                                      | 9 3/0  | 10 8/0         | 10 2/10 |
| Moonta, etc. ..             | 1       | 10 9/0                    | 11 2/0                | 11 1/0                  | 9 5/0                  | 8 4/1          | 1 4 8/0            | 11 9/0                 | 11 3/0                  | 11 6/0                                     | 9 0/0  | 10 7/0         | 9 9/10  |
| Port Pirie ..               | 1       | 10 5/0                    | 10 8/0                | 10 3/0                  | 7 9/0                  | 8 8/1          | 1 4 1/1            | 0 6/0                  | 11 6/0                  | 11 4/0                                     | 8 2/0  | 10 2/0         | 10 1/10 |
| Mt. Gambier ..              | 1       | 9 5/0                     | 10 3/0                | 9 8/0                   | 8 3/0                  | 9 4/1          | 1 2 3/0            | 11 0/0                 | 10 1/0                  | 11 2/0                                     | 8 9/0  | 10 3/0         | 9 8/10  |
| Peterborough ..             | 1       | 11 4/0                    | 10 3/0                | 9 7/0                   | 7 7/0                  | 9 2/1          | 1 4 0/0            | 11 9/0                 | 11 0/0                  | 11 6/0                                     | 8 5/0  | 10 3/0         | 10 1/10 |
| Weighted Aver.              | 2       | 0 0/1                     | 0 1/0                 | 11 0/10                 | 10 7/10                | 9 5/1          | 1 4 9/0            | 11 7/0                 | 11 2/1                  | 0 2/0                                      | 9 2/0  | 10 8/0         | 10 1/10 |
| W. AUSTRALIA                |         |                           |                       |                         |                        |                |                    |                        |                         |  |  |                |         |
| Perth ..                    | 2       | 0 7/0                     | 10 5/0                | 8 9/0                   | 8 4/0                  | 8 8/1          | 1 4 8/0            | 10 7/0                 | 9 7/0                   | 10 4/0                                     | 7 4/0  | 9 0/0          | 9 2/10  |
| Kalgoorlie ..               | 2       | 2 1/0                     | 10 4/0                | 9 4/0                   | 11 0/0                 | 10 7/1         | 1 4 1/1            | 0 5/0                  | 10 5/0                  | 10 7/0                                     | 7 8/0  | 9 9/0          | 10 6/10 |
| Mid. Junction ..            | 2       | 1 0/0                     | 10 6/0                | 9 3/0                   | 9 2/0                  | 9 0/1          | 2 8/0              | 11 1/0                 | 10 1/0                  | 10 7/0                                     | 8 1/0  | 9 3/0          | 9 1/10  |
| Bunbury ..                  | 2       | 0 6/1                     | 0 0/0                 | 11 0/0                  | 11 6/0                 | 10 0/1         | 3 0/0              | 11 3/0                 | 10 0/1                  | 0 0/0                                      | 9 0/0  | 10 0/0         | 10 6/10 |
| Geraldton ..                | 2       | 1 9/0                     | 11 3/0                | 10 3/0                  | 7 8/0                  | 8 0/1          | 3 3/0              | 10 2/0                 | 10 0/0                  | 9 7/0                                      | 7 8/0  | 9 4/0          | 8 3/10  |
| Weighted Aver.              | 2       | 1 0/0                     | 10 5/0                | 9 2/10                  | 9 1/10                 | 9 2/1          | 1 4 5/0            | 11 1/0                 | 9 9/0                   | 10 5/0                                     | 7 6/0  | 9 2/0          | 9 5/10  |
| TASMANIA                    |         |                           |                       |                         |                        |                |                    |                        |                         |  |  |                |         |
| Hobart ..                   | 2       | 1 0/1                     | 1 1/0                 | 11 3/0                  | 9 4/0                  | 9 1/1          | 1 4 3/0            | 11 5/0                 | 11 3/1                  | 0 8/0                                      | 8 7/0  | 11 0/0         | 11 0/10 |
| Launceston ..               | 2       | 0 0/1                     | 0 9/0                 | 11 8/0                  | 9 7/0                  | 9 7/1          | 1 3 7/0            | 11 6/0                 | 11 4/1                  | 0 5/0                                      | 9 5/0  | 11 5/0         | 11 2/10 |
| Zeehan ..                   | 1       | 10 1/1                    | 0 9/1                 | 0 0/0                   | 10 5/0                 | 10 3/1         | 3 2/1              | 0 0/0                  | 11 5/1                  | 0 9/0                                      | 10 8/1   | 0 4/1          | 0 5/10  |
| Beaconsfield ..             | 1       | 9 0/1                     | 0 7/0                 | 11 3/0                  | 10 4/0                 | 10 6/1         | 2 5/0              | 11 7/0                 | 10 4/1                  | 0 5/0                                      | 10 0/1   | 0 3/0          | 11 0/10 |
| Queenstown ..               | 1       | 7 7/0                     | 10 7/0                | 10 5/0                  | 10 1/0                 | 9 0/1          | 2 5/0              | 11 7/0                 | 11 7/1                  | 0 0/0                                      | 10 0/0   | 11 5/0         | 11 4/10 |
| Weighted Aver.              | 2       | 0 1/1                     | 0 9/0                 | 11 4/10                 | 9 7/10                 | 9 4/1          | 1 3 9/0            | 11 6/0                 | 11 3/1                  | 0 7/0                                      | 9 2/0  | 11 3/0         | 11 2/10 |
| Weighted Aver. Commonwealth | 2       | 1 9/1                     | 0 0/0                 | 10 5/10                 | 9 7/10                 | 8 4/1          | 1 4 2/0            | 10 8/0                 | 9 8/0                   | 11 1/0                                     | 7 6/0  | 9 8/0          | 9 7/10  |

Average Current Retail Prices in Metropolitan and Country Towns, 1920—*cont.*

| Particulars.                           | Mutt'n<br>Sh'lder. | Mutt'n<br>Loin. | Mutt'n<br>Neck. | Chops<br>Loin. | Chops<br>Leg. | Chops<br>Neck. | Pork<br>Leg. | Pork<br>Loin. | Pork<br>Belly. | Pork<br>Chops. |
|--|--------------------|-----------------|-----------------|----------------|---------------|----------------|--------------|---------------|----------------|----------------|
| Unit of Quantity                       | per lb.            | per lb.         | per lb.         | per lb.        | per lb.       | per lb.        | per lb.      | per lb.       | per lb.        | per lb.        |
|  | d.                 | d.              | d.              | s.             | d.            | d.             | s.           | d.            | s.             | d.             |
| <b>N.S. WALES</b>                      |                    |                 |                 |                |               |                |              |               |                |                |
| Sydney ..                              | 7.5                | 0 9.6           | 8.0             | 0 11.1         | 0 10.1        | 8.7            | 1 5.5        | 1 6.6         | 1 4.0          | 1 6.8          |
| Newcastle ..                           | 8.7                | 0 10.0          | 7.4             | 0 10.8         | 0 10.6        | 9.6            | 1 4.7        | 1 4.6         | 1 3.2          | 1 4.8          |
| Broken Hill ..                         | 10.5               | 0 11.5          | 8.4             | 1 0.6          | 1 0.3         | 11.5           | 1 2.4        | 1 2.4         | 1 2.3          | 1 4.6          |
| Goulburn ..                            | 9.1                | 0 11.1          | 7.9             | 0 11.6         | 0 11.1        | 9.2            | 1 2.0        | 1 2.3         | 1 1.5          | 1 3.1          |
| Bathurst ..                            | 8.8                | 0 10.0          | 6.8             | 0 10.4         | 0 10.3        | 8.5            | 1 1.5        | 1 1.7         | 0 11.4         | 1 2.0          |
| <b>Weighted Aver.</b>                  | <b>7.8</b>         | <b>0 9.8</b>    | <b>8.0</b>      | <b>0 11.2</b>  | <b>0 10.3</b> | <b>8.9</b>     | <b>1 5.2</b> | <b>1 6.1</b>  | <b>1 3.8</b>   | <b>1 6.4</b>   |
| <b>VICTORIA</b>                        |                    |                 |                 |                |               |                |              |               |                |                |
| Melbourne ..                           | 7.6                | 0 9.2           | 6.6             | 0 10.6         | 0 10.6        | 7.7            | 1 4.3        | 1 4.6         | 1 4.2          | 1 5.3          |
| Ballarat ..                            | 8.3                | 0 9.7           | 7.5             | 0 10.7         | 0 11.3        | 8.5            | 1 3.3        | 1 3.7         | 1 3.9          | 1 4.6          |
| Bendigo ..                             | 8.2                | 0 9.5           | 7.5             | 0 10.7         | 0 10.5        | 8.6            | 1 3.8        | 1 3.8         | 1 3.8          | 1 4.5          |
| Geelong ..                             | 8.6                | 0 9.7           | 7.8             | 0 10.6         | 0 10.6        | 9.1            | 1 1.4        | 1 1.9         | 1 2.0          | 1 2.6          |
| Warrnambool ..                         | 8.9                | 0 10.5          | 8.3             | 0 11.7         | 0 11.6        | 9.5            | 1 3.5        | 1 3.5         | 1 3.5          | 1 3.6          |
| <b>Weighted Aver.</b>                  | <b>7.7</b>         | <b>0 9.3</b>    | <b>6.8</b>      | <b>0 10.6</b>  | <b>0 10.7</b> | <b>7.9</b>     | <b>1 4.0</b> | <b>1 4.4</b>  | <b>1 4.1</b>   | <b>1 5.1</b>   |
| <b>QUEENSLAND</b>                      |                    |                 |                 |                |               |                |              |               |                |                |
| Brisbane ..                            | 7.2                | 0 9.9           | 9.0             | 0 10.4         | 0 10.4        | 10.1           | 1 5.6        | 1 5.7         | 1 3.3          | 1 6.0          |
| Toowoomba ..                           | 5.9                | 0 8.6           | 7.0             | 0 8.8          | 0 9.0         | 8.7            | 1 1.7        | 1 1.4         | 1 0.3          | 1 1.7          |
| Rockhampt'n ..                         | 7.9                | 0 9.8           | 7.2             | 0 10.2         | 0 10.3        | 9.8            | 1 1.3        | 1 1.2         | 0 11.3         | 1 1.4          |
| Charters ..                            |                    |                 |                 |                |               |                |              |               |                |                |
| Towers ..                              | 6.0                | 0 8.7           | 7.0             | 0 9.0          | 0 9.0         | 8.9            | 0 11.9       | 0 11.9        | 0 11.3         | 0 11.9         |
| Warwick ..                             | 8.0                | 0 10.0          | 7.1             | 0 10.0         | 0 10.0        | 9.6            | 0 11.0       | 0 11.0        | 0 10.4         | 0 11.0         |
| <b>Weighted Aver.</b>                  | <b>7.0</b>         | <b>0 9.7</b>    | <b>8.4</b>      | <b>0 10.1</b>  | <b>0 10.2</b> | <b>9.8</b>     | <b>1 4.1</b> | <b>1 4.2</b>  | <b>1 2.1</b>   | <b>1 4.4</b>   |
| <b>S. AUSTRALIA</b>                    |                    |                 |                 |                |               |                |              |               |                |                |
| Adelaide ..                            | 8.9                | 0 10.0          | 8.4             | 0 11.3         | 0 11.6        | 9.8            | 1 3.9        | 1 4.6         | 1 4.6          | 1 5.3          |
| Moonta, etc. ..                        | 8.4                | 0 9.6           | 7.3             | 0 10.7         | 0 10.8        | 8.8            | 1 0.9        | 1 0.8         | 1 0.0          | 1 1.0          |
| Port Pirie ..                          | 8.8                | 0 9.5           | 8.2             | 0 11.2         | 0 11.3        | 10.0           | 1 1.9        | 1 1.9         | 1 1.4          | 1 2.5          |
| Mt. Gambier ..                         | 9.3                | 0 9.9           | 8.5             | 0 10.6         | 0 10.8        | 9.6            | 1 0.8        | 1 0.7         | 1 0.5          | 1 1.2          |
| Peterborough ..                        | 8.9                | 0 9.5           | 8.7             | 0 11.4         | 0 11.4        | 10.2           | 1 1.0        | 1 1.0         | 1 1.0          | 1 1.9          |
| <b>Weighted Aver.</b>                  | <b>8.8</b>         | <b>0 9.9</b>    | <b>8.4</b>      | <b>0 11.3</b>  | <b>0 11.6</b> | <b>9.8</b>     | <b>1 3.5</b> | <b>1 4.1</b>  | <b>1 4.0</b>   | <b>1 4.7</b>   |
| <b>W. AUSTRALIA</b>                    |                    |                 |                 |                |               |                |              |               |                |                |
| Perth ..                               | 7.7                | 0 8.5           | 6.8             | 0 10.0         | 0 10.1        | 7.9            | 1 3.0        | 1 3.1         | 1 1.9          | 1 3.9          |
| Kalgoorlie ..                          | 8.3                | 0 9.9           | 8.3             | 0 11.1         | 0 11.5        | 9.5            | 1 2.7        | 1 2.7         | 1 1.3          | 1 2.9          |
| Mid. Junction ..                       | 7.6                | 0 8.4           | 6.5             | 0 9.3          | 0 9.5         | 7.9            | 1 2.1        | 1 2.0         | 1 0.9          | 1 2.2          |
| Bunbury ..                             | 9.6                | 0 10.5          | 8.2             | 0 11.6         | 0 11.6        | 9.6            | 1 4.0        | 1 4.0         | 1 4.0          | 1 6.0          |
| Geraldton ..                           | 6.4                | 0 7.7           | 6.5             | 0 9.2          | 0 9.3         | 7.9            | 0 10.7       | 0 10.5        | 0 9.8          | 0 10.9         |
| <b>Weighted Aver.</b>                  | <b>7.8</b>         | <b>0 8.8</b>    | <b>7.1</b>      | <b>0 10.2</b>  | <b>0 10.4</b> | <b>8.3</b>     | <b>1 2.8</b> | <b>1 2.9</b>  | <b>1 1.7</b>   | <b>1 3.5</b>   |
| <b>TASMANIA</b>                        |                    |                 |                 |                |               |                |              |               |                |                |
| Hobart ..                              | 9.4                | 0 10.8          | 8.9             | 1 0.2          | 1 0.4         | 9.8            | 1 4.2        | 1 4.5         | 1 4.5          | 1 5.4          |
| Launceston ..                          | 10.0               | 0 11.1          | 9.2             | 1 0.6          | 1 0.3         | 10.3           | 1 3.7        | 1 3.8         | 1 3.8          | 1 4.2          |
| Zeehan ..                              | 10.5               | 1 0.1           | 9.5             | 1 0.9          | 1 0.8         | 10.9           | 1 1.9        | 1 1.9         | 1 1.7          | 1 2.3          |
| Beaconsfield ..                        | 8.6                | 0 10.4          | 8.9             | 0 11.5         | 0 11.8        | 11.4           | 1 1.3        | 1 1.3         | 1 1.3          | 1 1.8          |
| Queenstown ..                          | 9.9                | 0 11.3          | 9.5             | 0 11.5         | 0 11.5        | 10.2           | 1 1.1        | 1 1.1         | 1 1.1          | 1 1.1          |
| <b>Weighted Aver.</b>                  | <b>9.7</b>         | <b>0 11.0</b>   | <b>9.1</b>      | <b>1 0.3</b>   | <b>1 0.3</b>  | <b>10.1</b>    | <b>1 3.7</b> | <b>1 3.9</b>  | <b>1 3.8</b>   | <b>1 4.5</b>   |
| <b>Weighted Aver.<br/>Commonwealth</b> | <b>7.9</b>         | <b>0 9.6</b>    | <b>7.6</b>      | <b>0 10.8</b>  | <b>0 10.6</b> | <b>8.7</b>     | <b>1 4.3</b> | <b>1 4.8</b>  | <b>1 3.6</b>   | <b>1 5.3</b>   |

## APPENDIX II.

Current Weekly House Rents† in Metropolitan and Country Towns, 1920.

| TOWN.                      | AVERAGE PREDOMINANT WEEKLY RENTS FOR HOUSES HAVING— |           |           |           |           |           |           |           |               |                                  |           |           |
|----------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|----------------------------------|-----------|-----------|
|                            | Under 4 Rooms.                                      |           | 4 Rooms.  | 5 Rooms.  |           | 6 Rooms.  | 7 Rooms.  |           | Over 7 Rooms. | Weighted Average for all Houses. |           |           |
| N.S. WALES—                | <i>s.</i>   | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i>     | <i>d.</i>                        | <i>s.</i> | <i>d.</i> |
| Sydney ..                  | 13  | 10        | 17        | 8         | 20        | 8         | 24        | 3         | 28            | 4                                | 34        | 3         |
| Newcastle ..               | 10  | 2         | 13        | 9         | 19        | 7         | 24        | 9         | 30            | 6                                | 38        | 4         |
| Broken Hill* ..            | 6   | 9         | 10        | 8         | 13        | 5         | 16        | 8         | 19            | 10                               | 23        | 0         |
| Goulburn ..                | 10  | 3         | 12        | 6         | 16        | 3         | 24        | 1         | 30            | 7                                | 43        | 4         |
| Bathurst ..                | 7   | 1         | 9         | 3         | 12        | 6         | 16        | 2         | 20            | 1                                | 32        | 2         |
| Weighted Aver.             | 13  | 1         | 16        | 10        | 20        | 1         | 23        | 11        | 28            | 1                                | 34        | 3         |
| VICTORIA—                  |   |           |           |           |           |           |           |           |               |                                  |           |           |
| Melbourne ..               | 11  | 8         | 15        | 6         | 20        | 1         | 25        | 1         | 30            | 0                                | 37        | 4         |
| Ballarat ..                | 6   | 5         | 7         | 2         | 10        | 6         | 14        | 1         | 16            | 1                                | 23        | 6         |
| Bendigo ..                 | 5   | 10        | 8         | 9         | 12        | 1         | 16        | 4         | 19            | 5                                | 27        | 10        |
| Geelong ..                 | 7   | 5         | 11        | 10        | 15        | 11        | 19        | 5         | 22            | 1                                | 27        | 3         |
| Warrnambool..              | 7   | 6         | 12        | 3         | 16        | 3         | 19        | 9         | 22            | 2                                | 26        | 1         |
| Weighted Aver.             | 10  | 8         | 14        | 3         | 18        | 8         | 23        | 5         | 27            | 11                               | 35        | 2         |
| QUEENSLAND—                |   |           |           |           |           |           |           |           |               |                                  |           |           |
| Brisbane ..                | 7   | 11        | 10        | 10        | 14        | 2         | 18        | 3         | 21            | 11                               | 28        | 8         |
| Toowoomba ..               | 6   | 5         | 9         | 4         | 12        | 4         | 15        | 5         | 18            | 11                               | 24        | 9         |
| Rockhampton ..             | 7   | 6         | 8         | 3         | 10        | 4         | 13        | 10        | 16            | 0                                | 20        | 9         |
| Charters Towers            | 7   | 1         | 9         | 2         | 11        | 8         | 13        | 11        | 18            | 10                               | 22        | 5         |
| Warwick ..                 | 5   | 8         | 7         | 11        | 11        | 5         | 14        | 11        | 18            | 6                                | 22        | 8         |
| Weighted Aver.             | 7   | 7         | 10        | 2         | 13        | 4         | 17        | 0         | 20            | 8                                | 26        | 9         |
| S. AUSTRALIA—              |   |           |           |           |           |           |           |           |               |                                  |           |           |
| Adelaide ..                | 9   | 11        | 14        | 0         | 18        | 7         | 23        | 9         | 28            | 4                                | 32        | 8         |
| Moonta, etc. ..            | 6   | 11        | 9         | 7         | 12        | 6         | 16        | 8         | 18            | 1                                | 20        | 9         |
| Port Pirie* ..             | 11  | 0         | 13        | 3         | 16        | 0         | 17        | 5         | 20            | 8                                | 23        | 8         |
| Mt. Gambier ..             | 6   | 7         | 8         | 5         | 10        | 9         | 14        | 0         | 15            | 1                                | 18        | 10        |
| Peterborough ..            | 10  | 6         | 10        | 11        | 14        | 3         | 16        | 10        | 19            | 3                                | 21        | 8         |
| Weighted Aver.             | 9   | 9         | 13        | 6         | 17        | 9         | 22        | 8         | 26            | 10                               | 31        | 0         |
| W. AUSTRALIA—              |   |           |           |           |           |           |           |           |               |                                  |           |           |
| Perth ..                   | 10  | 2         | 13        | 2         | 16        | 8         | 20        | 1         | 23            | 0                                | 27        | 1         |
| Kalgoorlie ..              | 10  | 2         | 13        | 8         | 16        | 8         | 19        | 1         | 22            | 8                                | 25        | 9         |
| Mid. Junction ..           | 7   | 6         | 9         | 4         | 12        | 3         | 15        | 3         | 20            | 2                                | 20        | 11        |
| Bunbury ..                 | 6   | 11        | 10        | 4         | 12        | 6         | 13        | 6         | 15            | 8                                | 23        | 2         |
| Geraldton ..               | 10  | 1         | 14        | 5         | 17        | 7         | 22        | 2         | 29            | 3                                | 40        | 0         |
| Weighted Aver.             | 9   | 11        | 13        | 0         | 16        | 4         | 19        | 6         | 22            | 9                                | 26        | 9         |
| TASMANIA—                  |   |           |           |           |           |           |           |           |               |                                  |           |           |
| Hobart ..                  | 11  | 10        | 17        | 0         | 20        | 5         | 23        | 5         | 27            | 4                                | 33        | 11        |
| Launceston ..              | 8   | 10        | 11        | 9         | 16        | 9         | 19        | 6         | 22            | 6                                | 27        | 11        |
| Zeehan ..                  | 3   | 4         | 6         | 3         | 8         | 5         | 9         | 11        | 13            | 7                                | 14        | 3         |
| Beaconsfield ..            | 1   | 11        | 2         | 4         | 3         | 4         | 3         | 8         | 6             | 0                                | 6         | 11        |
| Queenstown ..              | 7   | 0         | 10        | 0         | 12        | 9         | 13        | 9         | 17            | 2                                | 20        | 0         |
| Weighted Aver.             | 9   | 9         | 13        | 10        | 17        | 6         | 20        | 2         | 23            | 8                                | 29        | 2         |
| Weighted Aver. 30 Towns .. | 11  | 0         | 14        | 7         | 18        | 4         | 22        | 6         | 26            | 8                                | 32        | 9         |

\* See remarks on page 49, paragraph (ii.).

† The rents are shewn to the nearest penny.

## APPENDIX III.

Average Annual Wholesale Prices in Melbourne, 1919 and 1920.

| COMMODITY.                             | UNIT.  | 1919.        | 1920.        | COMMODITY.              | UNIT.   | 1919.        | 1920.        |
|--|--------|--------------|--------------|-------------------------|---------|--------------|--------------|
| <b>GROUP I. METALS</b>                 |        | <i>s. d.</i> | <i>s. d.</i> | <b>GROUP V. GROCER-</b> |         | <i>s. d.</i> | <i>s. d.</i> |
| Iron—Pig—                              |        |              |              | IES, &C.—               |         |              |              |
| Mixed Nos. ton                         | 247 6  | 256 8        |              | Currants .. lb.         | 0 7½    | 0 8½         |              |
| Rod and Bar ..                         | 522 1  | 572 6        |              | Raisins .. ..           | 0 7½    | 0 9          |              |
| Angle and Tee ..                       | 594 2  | 563 4        |              | Herrings .. doz. 1 lb.  |         |              |              |
| Plate .. ..                            | 1042 6 | 990 5        |              | .. tins                 | 9 9½    | 10 3½        |              |
| Hoop .. ..                             | 915 10 | 975 0        |              | Salmon .. ..            | 18 4    | 22 4         |              |
| Galvanized ..                          |        |              |              | Sardines .. doz. hlvs   | 11 0½   | 13 7½        |              |
| Corrugated ..                          | 1108 6 | 1161 3       |              | Tea .. .. lb.           | 0 11½   | 1 1½         |              |
| Wire, Fencing ..                       | 472 6  | 483 4        |              | Coffee .. ..            | 1 3     | 2 0½         |              |
| Zinc—Sheet ..                          | 2823 4 | 1895 10      |              | Cocoa .. ..             | *       |              |              |
| Lead—Sheet ..                          | 785 5  | 1047 11      |              | Sugar .. .. ton         | 587 6   | 881 10½      |              |
| Piping .. ..                           | 856 8  | 1322 6       |              | Macaroni .. lb.         | 0 4½    | 0 6½         |              |
| Copper—Sheet .. lb.                    | 2 4½   | 2 3½         |              | Sago .. .. cwt.         | 36 10   | 37 5½        |              |
| Coal (on Wharf) .. ton                 | 31 1   | 35 10½       |              | Rice .. .. ton          | *       | 1090 0       |              |
| Tinned Plates .. cwt.                  | 48 1½  | 73 0         |              | Salt—Fine ..            | 101 10½ | 111 8        |              |
| Quicksilver .. lb.                     | 7 9    | 7 11         |              | Rock .. ..              |         | 283 4        |              |
| <b>GROUP II. TEXTILES</b>              |        |              |              | Mustard .. doz. 1 lb.   |         |              |              |
| LEATHER, &C.                           |        |              |              | .. tins                 | 36 8    | 43 3½        |              |
| Jute Goods—                            |        |              |              | Starch .. .. lb.        | 0 9½    | 1 4          |              |
| Branbags .. doz.                       | 12 10  | 13 2         |              | Blue .. ..              | 1 5     | 1 1½         |              |
| Corn sacks .. ..                       | 12 6   | 14 7         |              | Matches .. gross        | 5 2½    | 6 10½        |              |
| Woolpacks .. each                      | 5 3½   | 6 5          |              | Candles .. lb.          | *       |              |              |
| Leather—                               |        |              |              | Kerosene .. gallon      | 2 2     | 2 6½         |              |
| Medium Crop .. lb.                     | 2 1½   | 2 9          |              | Tobacco .. lb.          | 7 4     | 7 6½         |              |
| Waxed Kip .. ..                        | 2 10   | 3 3          |              | <b>GROUP VI. MEAT—</b>  |         |              |              |
| Waxed Split ..                         | 1 5½   | 1 9          |              | Beef .. .. 100 lb.      | 50 6    | 65 11        |              |
| Cotton—Raw .. ..                       | 1 7    | 1 9½         |              | Mutton .. .. lb.        | 0 4½    | 0 7½         |              |
| Wool .. ..                             | 1 4½   | 1 4½         |              | Lamb .. ..              | 0 5½    | 0 8½         |              |
| Twine, Reaper ..                       | *      | *            |              | Veal .. ..              | 0 4     | 0 5½         |              |
| and Binder .. ..                       |        |              |              | Pork .. ..              | 0 8½    | 0 11½        |              |
| Tallow .. .. ton                       | 1246 0 | 1333 3       |              | <b>GROUP VII.</b>       |         |              |              |
| <b>GROUP III. AGRICULT' L PRODUCE—</b> |        |              |              | BUILDING                |         |              |              |
| Wheat .. .. bushel                     | 5 1½   | 7 6½         |              | MATERIAL—               |         |              |              |
| Flour .. .. ton                        | 221 9½ | 335 1½       |              | Timber, Flooring        |         |              |              |
| Bran .. ..                             | 129 9½ | 170 7        |              | 6 x 1½ .. 100 ft. lin   | *       | 34 0         |              |
| Pollard .. ..                          | 138 6½ | 170 6        |              | 6 x 2 .. ..             | 27 2    | 30 4         |              |
| Oats .. .. bushel                      | 5 1½   | 4 10½        |              | 6 x 3 .. ..             | *       | 27 4         |              |
| Oatmeal .. .. ton                      | 639 2  | 670 10       |              | 6 x 4 .. ..             | 19 0    | 19 3         |              |
| Barley—English .. bushel               | 5 9½   | 7 3½         |              | Weatherboards ..        | 20 2    | 21 1         |              |
| Cape .. ..                             | 4 6½   | 6 2½         |              | Oregon .. 1000 ft sp    | 356 3   | 467 11       |              |
| Maize .. ..                            | 6 11   | 7 11½        |              | Shelving .. ..          | *       | 951 8        |              |
| Hay .. .. ton                          | 180 9  | 260 11       |              | Cement .. .. cask       | 23 10   | 27 6         |              |
| Straw .. ..                            | 76 5   | 94 9         |              | White Lead .. ton       | 1422 6  | 1750 0       |              |
| Peas .. .. bushel                      | 7 11   | 10 2½        |              | Slates .. .. 1000       | 620 0   | 633 4        |              |
| Potatoes .. .. ton                     | 241 10 | 191 0        |              | <b>GROUP VIII.</b>      |         |              |              |
| Malt .. .. bushel                      | 7 3    | 8 7          |              | CHEMICALS—              |         |              |              |
| Chaff .. .. ton                        | 157 6  | 180 0½       |              | Cream of Tartar .. lb.  | 3 3½    | 3 2          |              |
| Onions .. ..                           | 230 6  | 264 3        |              | Carbonate of ..         |         |              |              |
| <b>GROUP IV. DAIRY</b>                 |        |              |              | Soda .. .. ton          | 410 10  | 418 9        |              |
| PRODUCE—                               |        |              |              | Saltpetre .. ..         | 1433 4  | 1175 0       |              |
| Ham .. .. lb.                          | 1 3½   | 1 11½        |              | Sulphur .. ..           | 326 3   | 398 4        |              |
| Bacon .. ..                            | 1 2    | 1 7½         |              | Caustic Soda ..         | 1081 8  | 760 0        |              |
| Cheese .. ..                           | 1 1½   | 1 3½         |              | Potassium ..            |         |              |              |
| Butter .. ..                           | 1 7    | 2 1½         |              | Cyanide .. .. lb.       | 1 6½    | 1 6          |              |
| Lard .. ..                             | 0 11½  | 1 5½         |              | Alum .. .. ton          | 675 0   | 653 4        |              |
| Eggs .. .. doz.                        | 1 2½   | 1 8          |              |                         |         |              |              |
| Honey .. .. lb.                        | 0 6    | 0 8          |              |                         |         |              |              |
| Beeswax .. ..                          | 1 11   | 2 0          |              |                         |         |              |              |
| Condensed Milk .. doz. tins            | 9 2½   | 11 4½        |              |                         |         |              |              |

\* Not available.

NOTE.—Many of these prices are the average, not of all classes of commodities, but only of certain brands which have been on the market for a great number of years, and which were adopted for the purpose of compiling index-numbers shewing the general fluctuations in prices from year to year.

## APPENDIX IV.

**Minimum Rates of Wage for Adult Male Workers in the Main Occupations in the Capital Town of each State for a Full Week's Work, at 31st December, 1920.**

NOTE.—Ruling or predominant rates of wage are distinguished from Award, Determination or Industrial Agreement rates of wage by an asterisk (\*). Except where otherwise specified by a numerical prefix in small type, the hours of labour constituting a full week's work are forty-eight. Award, Determination or Agreement Rates are quoted from the latest Awards, Determinations, or Agreements which were in force at the 31st December, 1920. Where two or more Award, Determination or Agreement Rates are quoted, the reason for such is that different rates of wage have been fixed for various classes or grades of work. It will be seen that in certain cases of this nature the wages are shown in the form, say, 75s. to 80s., indicating that in addition to the two rates specified, there are also certain intermediate rates in force. In other cases the rates are shown in the form 75s. and 80s., indicating that there are only two minimum or standard rates in force for different classes or grades of work, and that there are, of course, no intermediate minimum or standard rates.

## GROUP I.—WOOD, FURNITURE, SAW MILL AND TIMBER YARD.

| Industry and Occupation.            | Sydney. |    | Melbourne. |        | Brisbane. |    | Adelaide. |          | Perth. |        | Hobart. |       |
|-------------------------------------|---------|----|------------|--------|-----------|----|-----------|----------|--------|--------|---------|-------|
|                                     | s.      | d. | s.         | d.     | s.        | d. | s.        | d.       | s.     | d.     | s.      | d.    |
| <b>Coopering.</b>                   |         |    |            |        |           |    |           |          |        |        |         |       |
| Coopers .. .. .                     | 102     | 0  | 102        | 6      | 105       | 0  | 97        | 0        | 102    | 6      | 94/     | 102/6 |
| <b>Furniture and Bedding.</b>       |         |    |            |        |           |    |           |          |        |        |         |       |
| Bedding Makers ..                   | 100     | 0  | 88         | 6      | 92        | 7  | 79        | 6        | 101    | 0      | 87      | 6     |
| Boulters Carver Operators           | 107     | 0  | 97         | 0      | 99        | 0  | 87        | 6        | 105    | 0      | 97      | 0     |
| Cabinetmakers ..                    | 104     | 0  | 93         | 6      | 99        | 0  | 87        | 6        | 101    | 0      | 93      | 6     |
| Carpet Cutters ..                   | 113     | 0  | 99         | 6      | ..        | .. | ..        | ..       | ..     | ..     | 93      | 6     |
| " Layers ..                         | 104     | 0  | 93         | 6      | 90        | 0  | 85/       | to 110/* | 85     | 0      | 93      | 6     |
| " Planners ..                       | 104     | 0  | 99         | 6      | ..        | .. | ..        | ..       | 85     | 0      | 93      | 6     |
| Chairmakers ..                      | 104     | 0  | 93         | 6      | 99        | 0  | 87        | 6        | 101    | 0      | 93      | 6     |
| Drape Cutters ..                    | 113     | 0  | 93         | 6      | ..        | .. | ..        | ..       | ..     | ..     | 93      | 6     |
| French Polishers ..                 | 101     | 0  | 93         | 6      | 99        | 0  | 87        | 6        | 98     | 0      | 93      | 6     |
| Upholsterers ..                     | 104     | 0  | 93         | 6      | 99        | 0  | 87        | 6        | 105    | 0      | 93      | 6     |
| Wood Carvers ..                     | 104     | 0  | 93         | 6      | 99        | 0  | 87        | 6        | 98/    | & 105/ | 90/     | & 97/ |
| " Machinists ..                     | 104     | 0  | 90         | 0      | 99        | 0  | 87        | 6        | 98/    | & 105/ | 90/     | & 97/ |
| " Turners ..                        | 104     | 0  | 93         | 6      | 99        | 0  | 87        | 6        | 101    | 0      | 93      | 6     |
| <b>Mattress Making—Wire.</b>        |         |    |            |        |           |    |           |          |        |        |         |       |
| Finishers .. ..                     | 92      | 6  | 87         | 6      | 92        | 7  | 78        | 0        | ..     | ..     | 87      | 6     |
| Makers .. ..                        | 92      | 6  | 87         | 6      | 92        | 7  | 78        | 0        | 98     | 0      | 87      | 6     |
| Varnishers .. ..                    | 92      | 6  | 87         | 6      | 92        | 7  | 72        | 0        | ..     | ..     | 87      | 6     |
| <b>Organ Building.</b>              |         |    |            |        |           |    |           |          |        |        |         |       |
| Journeymen .. ..                    | 109     | 6  | 80/        | & 100/ | 95        | 0  | 90        | 0*       | ..     | ..     | ..      | ..    |
| <b>Overmantels and Mantelpieces</b> |         |    |            |        |           |    |           |          |        |        |         |       |
| Journeymen .. ..                    | 104     | 0  | 93         | 6      | 99        | 0  | 82        | 0        | 101    | 0      | 93      | 6     |

## Various numbers of hours constituting a full week's work.

(1) 18 hours. (1a) 15 hours. (1b) 16½ hours. (1c) 28 hours. (2) 30 hours. (3) 33 hours. (3a) 35 hours. (4) 36 hours. (4a) 41½ hours. (4b) 40 hours. (4c) 41 hours. (5) 42 hours. (5a) 43 hours. (5b) 43½ hours. (5c) 43¾ hours. (6) 44 hours. (7) 44½ hours. (8) 45 hours. (8a) 45½ hours. (9) 45½ hours. (10) 46 hours. (10a) 46½ hours. (11) 46½ hours. (11a) 46¾ hours. (12) 47 hours. (12a) 47½ hours. (12b) 47¾ hours. (13) 47½ hours. (14) 49 hours. (15) 49½ hours. (16) 49½ hours. (17) 50 hours. (18) 51 hours. (18a) 51½ hours. (19) 52 hours. (20) 52½ hours. (21) 52½ hours. (22) 53 hours. (23) 53½ hours. (24) 53½ hours. (25) 54 hours. (26) 54½ hours. (26a) 54½ hours. (27) 55 hours. (27a) 55½ hours. (27b) 55½ hours. (28) 56 hours. (28a) 56½ hours. (29) 56½ hours. (30) 57 hours. (31) 58 hours. (32) 59 hours. (33) 60 hours. (33a) 62 hours. (34) 63 hours. (35) 65 hours. (35a) 66 hours. (36) 70 hours. (37) 72 hours. (38) 77 hours. (38a) 88 hours per fortnight. (38b) 86 hours per fortnight. (38c) 84 hours. (39) 7 nights. (39a) 96 hours per fortnight. (39b) 98 hours per fortnight. (39c) 112 hours per fortnight. (39d) 114 hours per fortnight. (40) 116 hours per fortnight. (40a) 120 hours per fortnight. (41) 136 hours per fortnight. (42) 144 hours per fortnight. (42a) 156 hours per fortnight. (43) 50 hours (summer), 46 hours (winter). (43a) 50 hours (summer), 48 hours (winter). (44) 52 hours (summer), 45 hours (winter). (44a) 52 hours (day), 48 hours (night). (45) 54 hours (summer), 48 hours (winter). (46) 54½ hours (summer), 52½ hours (winter). (47) 55 hours (summer), 46 hours (winter). (47a) 55 hours (summer), 50 hours (winter). (47b) 55 hours (summer), 52 hours (winter). (48) 55 hours (summer), 54 hours (winter). (48a) 56 hours (summer), 44 hours (winter). (48b) 55½ hours (summer), 54½ hours (winter). (49) 56 hours (summer), 48 hours (winter). (49a) 56 hours (summer), 52 hours (winter). (49b) 56 hours (summer), 53 hours (winter). (50) 57 hours (summer), 44 hours (winter). (50a) 57 hours (summer), 48 hours (winter). (50b) 57 hours (summer), 52½ hours (winter). (51) 58 hours (summer), 46 hours (winter). (52) 58 hours (summer), 50 hours (winter). (53) 58 hours (summer), 56 hours (winter). (54) 59 hours (summer), 58 hours (winter). (55) 60 hours (summer), 56 hours (winter). (56) 60 hours (summer), 58 hours (winter). (57) 84 hours and 72 hours alternate weeks. (58) 48 hours, 51 hours, 54 hours (four months each in each year). (59) 56 hours and 59 hours within certain radius. (60) 56 hours and 60 hours within certain radius. (61) 58 hours (summer), 54 hours (winter). (62) 176 hours per month. (63) 200 hours per month. (64) 48 hours (summer), 46 hours (winter).



GROUP I.—WOOD, FURNITURE, SAWMILL AND TIMBER YARD.—*continued.*

| Industry and Occupation.                | Sydney.      |    | Melbourne.    |    | Brisbane.   |    | Adelaide.     |    | Perth.       |    | Hobart.       |     |
|---|--------------|----|---------------|----|-------------|----|---------------|----|--------------|----|---------------|-----|
|   | s.           | d. | s.            | d. | s.          | d. | s.            | d. | s.           | d. | s.            | d.  |
| <b>Piano Making.†</b>                   |              |    |               |    |             |    |               |    |              |    |               |     |
| Cabinet Makers ..                       | £104         | 0  | 99            | 6  | £95         | 0  | 87            | 6* | ..           | .. | ..            | ..  |
| Framemakers—Iron ..                     | £101         | 6  | 81            | 6  | ..          | .. | ..            | .. | ..           | .. | ..            | ..  |
| Wood ..                                 | £101         | 6  | 90/ & 96/6    | .. | ..          | .. | ..            | .. | ..           | .. | ..            | ..  |
| French Polishers ..                     | £104         | 0  | 93            | 6  | £95         | 0  | 87/6 to 100/* | .. | ..           | .. | ..            | ..  |
| Veneers ..                              | £104         | 0  | 81            | 6  | £95         | 0  | ..            | .. | ..           | .. | ..            | ..  |
| Wood Carvers ..                         | £104         | 0  | 90/ & 96/6    | .. | ..          | .. | 87            | 6* | ..           | .. | ..            | ..  |
| " Turners ..                            | £104         | 0  | 99            | 6  | ..          | .. | 87            | 6* | ..           | .. | ..            | ..  |
| <b>Picture Framing.</b>                 |              |    |               |    |             |    |               |    |              |    |               |     |
| Compo. Workers ..                       | £98          | 0  | 80            | 0  | £90         | 0  | ..            | .. | ..           | .. | ..            | ..  |
| Fitters Up ..                           | £98          | 0  | 80            | 0  | £90         | 0  | ..            | .. | ..           | .. | ..            | ..  |
| General Hands ..                        | £98          | 0  | 78            | 0  | £90         | 0  | 75            | 0* | 90           | 0  | †66           | 0*  |
| Gilders ..                              | £98          | 0  | 85            | 0  | £90         | 0  | 66/ to 80/*   | .. | ..           | .. | ..            | ..  |
| Joiners ..                              | £98          | 0  | 85            | 0  | £90         | 0  | 66/ to 80/*   | .. | ..           | .. | ..            | ..  |
| Mount Cutters ..                        | £98          | 0  | 85            | 0  | £90         | 0  | 75/ to 90/*   | .. | ..           | .. | ..            | ..  |
| Sawyers—Band or Jig ..                  | £98          | 0  | 84/ & 90/     | .. | £90         | 0  | 75/ to 90/*   | .. | ..           | .. | ..            | ..  |
| <b>Saw Milling &amp; Timber Yards.†</b> |              |    |               |    |             |    |               |    |              |    |               |     |
| Box and Case Makers ..                  | £98          | 0  | £92           | 0  | £85         | 3  | £91           | 0  | 87           | 0  | £94           | 0   |
| Labourers ..                            | £92          | 0  | £82           | 0  | £84         | 4  | £81           | 0  | 78           | 0  | £84           | 0   |
| Machinists—                             |              |    |               |    |             |    |               |    |              |    |               |     |
| Box Printing ..                         | £95          | 0  | £88           | 0  | £85         | 3  | £87           | 0  | 69           | 0* | £91           | 0   |
| Boults Carver ..                        | £107         | 0  | £102          | 0  | £90         | 9  | £101          | 0  | ..           | .. | £104          | 0   |
| Buzzer or Joinder ..                    | £101         | 0  | £96           | 0  | £86         | 2  | £95           | 0  | 84           | 0  | £98           | 0   |
| General Joiner ..                       | £107         | 0  | £99           | 0  | ..          | .. | £98           | 0  | 96           | 0  | £101          | 0   |
| Morticing or Boring ..                  | £95          | 0  | £89           | 0  | £85         | 3  | £88           | 0  | 81           | 0  | £91           | 0   |
| Moulding ..                             | £100         | 0  | £96           | 0  | £94         | 5  | £95           | 0  | 84/ & 90/    | .. | £102          | 0   |
| own Grinder ..                          | £107         | 0  | £101          | 0  | ..          | .. | £100          | 0  | ..           | .. | £105          | 0   |
| Nailing ..                              | £96          | 0  | £92           | 0  | £85         | 3  | £91           | 0  | 69           | 0* | £91           | 0   |
| Planing ..                              | £104         | 0  | £96           | 0  | £89         | 10 | £95           | 0  | 96           | 0  | £98           | 0   |
| Sandpapering ..                         | £95          | 0  | £90           | 0  | £84         | 4  | £89           | 0  | 84           | 0  | £92           | 0   |
| Shaping ..                              | £107         | 0  | £102          | 0  | £103        | 7  | £101          | 0  | 59           | 0  | £104          | 0   |
| Tenoning ..                             | £101         | 0  | £96           | 0  | £89         | 10 | £95           | 0  | 84           | 0  | £98           | 0   |
| Ordermen ..                             | £98          | 0  | £93           | 0  | £87         | 1  | £92           | 0  | 78           | 0  | £96           | 0   |
| Pullers or Tailors Out ..               | £92          | 0  | £82/ & 87/    | .. | £84         | 4  | £81/ & 86/    | .. | 84           | 0  | £84/ to 99/   | ..  |
| Saw Doctors ..                          | £116         | 0  | £108/ to 113/ | .. | £99         | 11 | £107/ to 117/ | .. | 96/ to 106/* | .. | £108/ to 132/ | ..  |
| Sharpeners ..                           | £104         | 0  | £96           | 0  | £91         | 8  | £95           | 0  | 81           | 0* | £99           | 0   |
| Sawyers—                                |              |    |               |    |             |    |               |    |              |    |               |     |
| Band or Jig ..                          | £104/ & 106/ | .. | £93/ & 99/    | .. | £93         | 6  | £92/ & 98/    | .. | 87           | 0  | £95/ to 101/  | ..  |
| Circular ..                             | £96/ to 104  | .. | £92/ & 96/    | .. | £89         | 6  | £91/ & 95/    | .. | 84/ & 90/    | .. | £94/ to 102/  | ..  |
| Gang Frame ..                           | £96          | 0  | £93/ & 96/    | .. | £87         | 1  | £92/ & 95/    | .. | 57           | 0  | £98           | 0   |
| Recut Band ..                           | £96/ to 104/ | .. | £93/ to 100/  | .. | £90         | 9  | £92/ & 98/    | .. | 87           | 0  | £102          | 0   |
| Stackers .. per hour                    | 2            | 7½ | 2             | 0  | 2           | 3½ | 2             | 6  | 1/7½ & 1/8½  | .. | 1             | 10½ |
| Talleymen ..                            | £98          | 0  | £93           | 0  | £87         | 1  | £92           | 0  | 84           | 0  | £96           | 0   |
| Wood Turners ..                         | £107         | 0  | £96           | 0  | £93         | 6  | £98           | 0  | 104          | 0  | £98           | 0   |
| <b>Undertaking.</b>                     |              |    |               |    |             |    |               |    |              |    |               |     |
| Coachmen ..                             | £92          | 0  | £73           | 0  | 77/ & 84/6  | .. | £82/ & 88/    | .. | £90          | 0  | £68           | 0*  |
| Coffin Makers or Trimmers               | 101          | 6  | 77/6 & 82/6   | .. | 79/6 & 84/6 | .. | 87            | 6  | 90           | 0  | ..            | ..  |
| †                                       |              |    |               |    |             |    |               |    | £100         | 0† |               |     |
| <b>Venetian Blind Making.</b>           |              |    |               |    |             |    |               |    |              |    |               |     |
| Journeymen ..                           | 93/ & 97/    | .. | 66            | 0* | £99         | 0  | ..            | .. | ..           | .. | 90            | 0   |

## GROUP II.—ENGINEERING, METAL WORKS, ETC.

|                                 |               |             |    |    |     |    |           |    |      |    |    |
|---------------------------------|---------------|-------------|----|----|-----|----|-----------|----|------|----|----|
| <b>Agricultural Implements.</b> |               |             |    |    |     |    |           |    |      |    |    |
| Assemblers .. ..                | 94            | 6           | 81 | 0  | 177 | 0  | 81        | 0  | 683  | 0  | .. |
| Blacksmiths .. ..               | 104/6 & 108/6 | ..          | 90 | 0  | ..  | .. | 90        | 0  | 698  | 1  | .. |
| Bulldozermen .. ..              | 93            | 0           | 87 | 0  | ..  | .. | 90        | 0  | 689  | 10 | .. |
| Carpenters .. ..                | 92            | 6           | 90 | 0  | ..  | .. | 90        | 0  | 695  | 4  | .. |
| Drillers .. ..                  | 93            | 0           | 81 | 0  | ..  | .. | 81        | 0  | 684  | 4  | .. |
| Engine Drivers .. ..            | 94/ to 100/   | 88/6 & 91/6 | .. | .. | ..  | .. | 84        | 0  | ..   | .. | .. |
| Fitters .. ..                   | 96/6 & 104/6  | 87/ to 90/  | .. | .. | ..  | .. | 90        | 0  | 695  | 4  | .. |
| Grinders .. ..                  | 93            | 0           | 84 | 0  | ..  | .. | 78        | 0  | ..   | .. | .. |
| Labourers—unskilled             | 85            | 0           | 78 | 0  | ..  | .. | 78        | 0  | 678  | 10 | .. |
| Machinists—Iron                 | 93/ to 100/6  | 84          | 0  | .. | ..  | .. | 87/ & 90/ | .. | 689  | 10 | .. |
| Wood                            | 93/ to 100/6  | 87          | 0  | .. | ..  | .. | 84/ & 90/ | .. | ..   | .. | .. |
| Painters—Brush                  | 85            | 6           | 81 | 0  | ..  | .. | 81        | 0  | ..   | .. | .. |
| Scroll                          | 92            | 6           | 90 | 0  | ..  | .. | 90        | 0  | ..   | .. | .. |
| Patternmakers .. ..             | 114           | 6           | 97 | 0  | ..  | .. | 97        | 0  | 6103 | 7  | .. |

\* Ruling or predominant rates, see note at top of page 188. † 44 and 48 hours per week.

‡ Sydney, Melbourne, Adelaide and Hobart hours from 1st January, 1921.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

GROUP II.—ENGINEERING, METAL WORKS, ETC.—*continued*.

| Industry and Occupation.                   | Sydney.       |    | Melbourne. |    | Brisbane.      |       | Adelaide.    |    | Perth. |    | Hobart.      |    |
|--|---------------|----|------------|----|----------------|-------|--------------|----|--------|----|--------------|----|
|  | s.            | d. | s.         | d. | s.             | d.    | s.           | d. | s.     | d. | s.           | d. |
| <b>Agricultural Implements—<i>cont</i></b> |               |    |            |    |                |       |              |    |        |    |              |    |
| Sheet Iron Workers ..                      | 93            | 0  | 90         | 0  | ..             | ..    | 90           | 0  | ..     | .. | ..           | .. |
| Storemen ..                                | 88            | 0  | 78         | 0  | 177            | 0     | 78           | 0  | 92     | 7  | ..           | .. |
| Strikers ..                                | 85            | 6  | 81         | 0  | ..             | ..    | 81           | 0  | 81     | 7  | ..           | .. |
| Turners ..                                 | 104           | 6  | 90         | 0  | ..             | ..    | 90           | 0  | 95     | 4  | ..           | .. |
| Wheelwrights ..                            | 92            | 6  | 90         | 0  | ..             | ..    | 90           | 0  | ..     | .. | ..           | .. |
| <b>Bedstead Making—Metallic.</b>           |               |    |            |    |                |       |              |    |        |    |              |    |
| Blacksmiths ..                             | 96/ & 102/    | .. | 84         | 0  | 93             | 6     | 75           | 0  | ..     | .. | ..           | .. |
| Chillfitters—Modellers ..                  | 97            | 0  | 94         | 0  | 97             | 2     | 85           | 0  | ..     | .. | ..           | .. |
| Other ..                                   | 97            | 0  | 87         | 0  | 84/4 & 89/10   | ..    | 78           | 0  | ..     | .. | ..           | .. |
| Chippers ..                                | 92            | 0  | 82         | 0  | 86             | 2     | 73           | 0  | ..     | .. | ..           | .. |
| Cutters, etc. ..                           | 92            | 0  | 78         | 0  | 86             | 2     | 73           | 0  | ..     | .. | ..           | .. |
| Electroplaters ..                          | 97            | 0  | 95         | 0  | 89             | 10    | 86           | 0  | ..     | .. | ..           | .. |
| Fitters Up ..                              | 93            | 0  | 81/6 & 84/ | .. | 87             | 1     | 75           | 0  | ..     | .. | ..           | .. |
| Foundry Hands ..                           | 92            | 0  | 85         | 0  | 86             | 2     | 72           | 0  | ..     | .. | ..           | .. |
| Frame Setters ..                           | 95            | 0  | 85         | 0  | 88             | 11    | 76           | 0  | ..     | .. | ..           | .. |
| Furnacemen ..                              | 92/ & 97/     | .. | 85         | 0  | 89             | 10    | 75           | 0  | ..     | .. | ..           | .. |
| Japanners ..                               | 93            | 0  | 84         | 0  | 85             | 8 1/2 | 72/ & 75/    | .. | ..     | .. | ..           | .. |
| Lacquers ..                                | 96            | 0  | 82         | 0  | 85             | 8 1/2 | 73           | 0  | ..     | .. | ..           | .. |
| Mounters ..                                | 93            | 0  | 85         | 0  | 85             | 8 1/2 | 74/ & 76/    | .. | ..     | .. | ..           | .. |
| Polishers ..                               | 94            | 0  | 81         | 0  | 77             | 0     | 72           | 0  | ..     | .. | ..           | .. |
| <b>Boiler Making.</b>                      |               |    |            |    |                |       |              |    |        |    |              |    |
| Journeymen ..                              | 110           | 6  | 102        | 0  | 99             | 11    | 102          | 0  | 99     | 0  | 98           | 0  |
| Railwaymen ..                              | 113           | 6  | 102        | 0  | 86             | 2     | 102          | 0* | 98     | 1  | 93           | 0* |
| <b>Brass Working.</b>                      |               |    |            |    |                |       |              |    |        |    |              |    |
| Coremakers ..                              | 106/6 & 110/6 | .. | 85         | 0  | 99             | 11    | 79           | 0  | 99     | 0  | ..           | .. |
| Dressers ..                                | 93            | 0  | 78         | 0  | 80             | 8     | 72           | 0  | 84     | 6  | ..           | .. |
| Finishers ..                               | 102/6 & 110/6 | .. | 93         | 6  | 99             | 11    | 87           | 6  | 104    | 0  | 84/ to 96/   | .. |
| Furnacemen ..                              | 93/ to 99/    | .. | 81         | 0  | 86/2 & 89/10   | ..    | 75           | 0  | 95     | 0  | 81           | 0  |
| Moulders ..                                | 106/6 & 110/6 | .. | 93         | 6  | 96/3 & 99/11   | ..    | 87           | 6  | 99     | 0  | 98           | 0  |
| Polishers ..                               | 102/6 & 110/6 | .. | 84         | 0  | 99             | 11    | 78           | 0  | ..     | .. | ..           | .. |
| <b>Cycles and Motors.</b>                  |               |    |            |    |                |       |              |    |        |    |              |    |
| Assemblers ..                              | 85            | 0  | 80/ & 85/  | .. | 99/11 & 103/7  | ..    | 66/ to 87/6* | .. | 111    | 5  | 70           | 0  |
| Cleaners ..                                | 85            | 0  | ..         | .. | 78             | 10    | ..           | .. | ..     | .. | 60           | 0  |
| Filers ..                                  | 85            | 0  | 80         | 0  | 78             | 10    | ..           | .. | 111    | 5  | 60           | 0  |
| Fitters ..                                 | 85            | 0  | 85         | 0  | 99/11 & 103/11 | ..    | 80/ to 102*  | .. | 111    | 5  | 80           | 0  |
| Frame Builders ..                          | 85            | 0  | 85/ & 87/6 | .. | 99/11 & 103/11 | ..    | 63/ to 84/*  | .. | ..     | .. | 70           | 0  |
| Repairs ..                                 | 85            | 0  | 85/ & 87/6 | .. | 99/11 & 103/11 | ..    | 69/ to 102/* | .. | ..     | .. | 70           | 0  |
| Turners—Cycle ..                           | 85            | 0  | ..         | .. | ..             | ..    | 102          | 0  | 111    | 5  | 80           | 0  |
| Motor ..                                   | 85            | 0  | 96         | 0  | ..             | ..    | 102          | 0  | ..     | .. | 80           | 0  |
| Wheel Builders ..                          | 85            | 0  | 80         | 0  | 99/4 & 103/11  | ..    | ..           | .. | ..     | .. | 70           | 0  |
| <b>Electrical Installation.</b>            |               |    |            |    |                |       |              |    |        |    |              |    |
| Armature Winders ..                        | 111           | 6  | 99         | 0  | 102            | 8     | 93           | 0  | 104    | 0  | 102          | 0  |
| Cable Joiners ..                           | 111           | 6  | 107        | 0  | 99             | 11    | 93           | 0  | ..     | .. | 96           | 0  |
| Fitters ..                                 | 111           | 6  | 99         | 0  | 102            | 8     | 93           | 0  | 104    | 0  | 102          | 0  |
| Linesmen ..                                | 103           | 6  | 99         | 0  | 99             | 11    | 89           | 0  | 92     | 0  | 81/ & 90/    | .. |
| Mechanics ..                               | 103           | 6  | 99         | 0  | 99             | 11    | 91           | 0  | 104    | 0  | 94           | 0  |
| Patrolmen ..                               | ..            | .. | 82         | 0  | 81             | 7     | 91           | 0  | ..     | .. | 78           | 0  |
| Wiremen ..                                 | 103           | 6  | 99         | 0  | 99             | 11    | 86           | 0  | 95     | 0  | 90           | 0  |
| Assistant ..                               | ..            | .. | 82         | 0  | 78             | 10    | ..           | .. | ..     | .. | 78           | 0  |
| Other Adults ..                            | ..            | .. | 82         | 0  | 78             | 10    | 75           | 0  | 80     | 0  | 78           | 0  |
| <b>Electrical Supply.</b>                  |               |    |            |    |                |       |              |    |        |    |              |    |
| Armature Winders ..                        | 111           | 6  | 108        | 0  | 102            | 8     | 93           | 0  | 104    | 0  | 102          | 0  |
| Cable Joiners ..                           | 111           | 6  | 99         | 0  | 99             | 11    | 93           | 0  | ..     | .. | 96           | 0  |
| Carboner, Arc Lamp Attend.                 | 91            | 6  | 87         | 6  | 84             | 4     | 81           | 0  | ..     | .. | 84/ & 90/    | .. |
| Instrument Makers ..                       | 111           | 6  | 95         | 6  | 102            | 8     | 91           | 0  | 104    | 0  | 102          | 0  |
| Linesmen ..                                | 103           | 6  | 96         | 6  | 99             | 11    | 89           | 0  | 92     | 0  | 81/ & 90/    | .. |
| Meter Fixers ..                            | 103           | 6  | 87         | 6  | ..             | ..    | 81           | 0  | ..     | .. | 84           | 0  |
| Testers ..                                 | 103           | 6  | 95         | 6  | 99             | 11    | 87           | 0  | ..     | .. | 90           | 0  |
| Patrolmen—Night ..                         | ..            | .. | 99         | 0  | 81             | 7     | 91           | 0  | ..     | .. | 78           | 0  |
| Shift Electricians ..                      | 101           | 6  | 98         | 6  | 106            | 4     | ..           | .. | ..     | .. | 102/ to 144/ | .. |
| Sub-Station Attendants ..                  | ..            | .. | 95         | 6  | ..             | ..    | ..           | .. | ..     | .. | 93/ to 102/  | .. |
| Switchboard Attendants ..                  | ..            | .. | 95         | 6  | 78             | 10    | 79           | 0  | ..     | .. | 78           | 0  |
| Switchmen ..                               | ..            | .. | 83         | 6  | ..             | ..    | 89           | 0  | ..     | .. | ..           | .. |
| Other Adults ..                            | ..            | .. | 82         | 0  | 78             | 10    | 75           | 0  | ..     | .. | 78           | 0  |

\* Ruling or predominant rates, see note at top of page 188.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP II.—ENGINEERING, METAL WORKS, ETC.—continued.

| Industry and Occupation.        | Sydney.       |                | Melbourne. |    | Brisbane.     |    | Adelaide.    |             | Perth.     |             | Hobart.    |    |
|---------------------------------|---------------|----------------|------------|----|---------------|----|--------------|-------------|------------|-------------|------------|----|
|                                 | s.            | d.             | s.         | d. | s.            | d. | s.           | d.          | s.         | d.          | s.         | d. |
| <b>Electrical Trades.</b>       |               |                |            |    |               |    |              |             |            |             |            |    |
| Fitters .. ..                   | 111           | 6              | 99         | 0  | *102          | 8  | 93           | 0           | 104        | 0           | 102        | 0  |
| Mechanics .. ..                 | 103           | 6              | 99         | 0  | *99           | 11 | 91           | 0           | 104        | 0           | 94         | 0  |
| Wiremen .. ..                   | 103           | 6              | 99         | 0  | *99           | 11 | 86           | 0           | 95         | 0           | 90         | 0  |
| <b>Electroplating.</b>          |               |                |            |    |               |    |              |             |            |             |            |    |
| Makers Up .. ..                 | 93            | 6              | 78         | 0  | ..            |    | 90/ to 110/* |             | ..         |             | ..         |    |
| Platers .. ..                   | 99            | 6              | 102        | 0  | *89           | 10 | 86           | 0           | 87         | 0           | 80         | 0  |
| Polishers .. ..                 | 93/6 & 95/6   |                | 88         | 0  | *81/7 & 89/10 |    | 76           | 0           | ..         |             | ..         |    |
| <b>Engineering.†</b>            |               |                |            |    |               |    |              |             |            |             |            |    |
| Blacksmiths .. ..               | 126           | 5              | 122        | 10 | *103          | 7  | 120          | 0           | 111        | 5           | 125        | 9  |
| Bolt and Nut Machinists .. ..   | 107           | 6              | 104        | 5  | ..            |    | 102          | 0           | 94         | 9           | 106        | 10 |
| Borers and Slotters .. ..       | 126           | 5              | 122        | 10 | *92           | 7  | 120          | 0           | 111        | 5           | 125        | 9  |
| Brassfinishers .. ..            | 126           | 5              | 122        | 10 | *99           | 11 | 120          | 0           | 111        | 5           | 125        | 9  |
| Coppersmiths .. ..              | 126           | 5              | 122        | 10 | *103          | 7  | 120          | 0           | 111        | 5           | 125        | 9  |
| Drillers—Radial .. ..           | 126           | 5              | 122        | 10 | *85           | 3  | 120          | 0           | 111        | 5           | 125        | 9  |
| Other .. ..                     | 107           | 6              | 104        | 5  | *85           | 3  | 102          | 0           | 94         | 9           | 106        | 10 |
| Drophammer Smiths .. ..         | 126           | 5              | 122        | 10 | *99           | 11 | 120          | 0           | 111        | 5           | 125        | 9  |
| Fitters .. ..                   | 126           | 5              | 122        | 10 | *99           | 11 | 120          | 0           | 111        | 5           | 125        | 9  |
| Lappers and Grinders .. ..      | 113/9 & 126/5 | 110/7 & 122/10 |            |    | *99           | 11 | 108/ & 120/  | 100/3 & 111 | 5          | 113 & 125/9 |            |    |
| Millers—Universal .. ..         | 126           | 5              | 122        | 10 | ..            |    | 120          | 0           | 111        | 5           | 125        | 9  |
| Other .. ..                     | 126           | 5              | 122        | 10 | *99           | 11 | 120          | 0           | 111        | 5           | 125        | 9  |
| Oliversmiths .. ..              | 126           | 5              | 122        | 10 | *99           | 11 | 120          | 0           | 111        | 5           | 125        | 9  |
| Pattern Makers .. ..            | 135           | 11             | 132        | 1  | *105          | 5  | 129          | 0           | 119        | 9           | 135        | 2  |
| Planers—Rail & Plate Edge .. .. | 113           | 9              | 110        | 7  | *85           | 3  | 108          | 0           | 100        | 3           | 113        | 2  |
| Other .. ..                     | 126           | 5              | 122        | 10 | *92           | 7  | 120          | 0           | 111        | 5           | 125        | 9  |
| Shapers .. ..                   | 126           | 5              | 122        | 10 | *92           | 7  | 120          | 0           | 111        | 5           | 125        | 9  |
| Springsmiths .. ..              | 126           | 5              | 122        | 10 | ..            |    | 120          | 0           | 111        | 5           | 125        | 9  |
| Turners .. ..                   | 126           | 5              | 122        | 10 | *99           | 11 | 120          | 0           | 111        | 5           | 125        | 9  |
| <b>Farriery.</b>                |               |                |            |    |               |    |              |             |            |             |            |    |
| Firemen .. ..                   | 105           | 0              | 97         | 0  | *90           | 0  | 96           | 0           | 75         | 0*          | ..         |    |
| Floormen .. ..                  | 100           | 0              | 92         | 0  | *90           | 0  | 92           | 0           | 69         | 0*          | ..         |    |
| Shoemsmiths .. ..               | 105           | 0              | 97         | 0  | *90           | 0  | 96           | 0           | 75         | 0*          | ..         |    |
| <b>Ironworking—Assistants.</b>  |               |                |            |    |               |    |              |             |            |             |            |    |
| Boilermakers' Helpers .. ..     | 91            | 0              | 83         | 0  | *80           | 8  | 85           | 0           | 84         | 6           | 78         | 0  |
| Labourers .. ..                 | 88            | 0              | 78         | 0  | *80           | 8  | 81           | 0*          | 79         | 0           | 75         | 0  |
| Engineers' Labourers .. ..      | 88            | 0              | 78         | 0  | *77           | 0  | 85           | 0           | 79/ & 84/6 | 75/ & 94/3  |            |    |
| Furnacemen's Assistants .. ..   | 91            | 0              | 83         | 0  | *77           | 0  | 81           | 0           | 79/ & 84/6 |             |            |    |
| Moulders' Labourers .. ..       | 88            | 0              | 78/ & 80/  |    | *77           | 0  | 78           | 0           | 84         | 6           | 75/ & 94/3 |    |
| Strikers .. ..                  | 93            | 0              | 85         | 0  | *80           | 8  | 85           | 0           | 84         | 6           | 78/ & 94/3 |    |
| <b>Moulding—Iron.</b>           |               |                |            |    |               |    |              |             |            |             |            |    |
| Coremakers—Machine .. ..        | 110           | 6              | 87         | 0  | *99           | 11 | 102          | 0           | 99         | 0           | 98         | 0  |
| Other .. ..                     | 110           | 6              | 95/ & 102/ |    | *99           | 11 | 102          | 0           | 99         | 0           | 98         | 0  |
| Dressers and Fettlers .. ..     | 93            | 0              | 82         | 0  | *80           | 8  | 81           | 0           | 84         | 6           | 81         | 0  |
| Furnacemen .. ..                | 93/ to 99/    |                | 86         | 0  | *86/2 & 89/10 |    | 91           | 0           | 95         | 0           | 81         | 0  |
| Moulders—Machine .. ..          | 106           | 6              | 87         | 0  | *96           | 3  | 88           | 6           | 99         | 0           | 98         | 0  |
| Other .. ..                     | 110           | 6              | 95/ & 102/ |    | *99           | 11 | 88/6 & 102/  |             | 99         | 0           | 98         | 0  |
| <b>Moulding—Piano Frames.</b>   |               |                |            |    |               |    |              |             |            |             |            |    |
| Moulders .. ..                  | 99/ & 104/    |                | 95         | 0  | *96/3 & 99/11 |    | ..           |             | ..         |             | ..         |    |
| <b>Moulding Pipes—Bank.</b>     |               |                |            |    |               |    |              |             |            |             |            |    |
| Casters and Finishers .. ..     | 91            | 0              | 78         | 0  | *89           | 10 | 96           | 0*          | ..         |             | ..         |    |
| Coremakers .. ..                | 91            | 0              | 95/ & 102/ |    | *82           | 6  | 96           | 0*          | ..         |             | ..         |    |
| Footmen—4-in. and under .. ..   | 93            | 0              | 87         | 0  | *91           | 8  | 90           | 0*          | 89         | 10          | ..         |    |
| 5 and 6-ins. .. ..              | 101           | 0              | 91         | 0  | *91           | 8  | 90           | 0*          | 95         | 4           | 98         | 0  |
| Headmen—4-in. and under .. ..   | 106           | 0              | 95         | 0  | *99           | 0  | 96           | 0*          | 95         | 4           | ..         |    |
| 5 and 6-ins. .. ..              | 107           | 0              | 102        | 0  | *99           | 0  | 96           | 0*          | 100        | 10          | 98         | 0  |
| <b>Moulding Pipes—Machine.</b>  |               |                |            |    |               |    |              |             |            |             |            |    |
| Coremakers—Faucet .. ..         | 91            | 0              | 95/ & 102/ |    | *82           | 6  | ..           |             | ..         |             | ..         |    |
| Spigot .. ..                    | 91            | 0              | 87/ & 91/  |    | *82           | 6  | ..           |             | ..         |             | ..         |    |
| Finishers and Casters .. ..     | 91            | 0              | 95/ & 102/ |    | *89           | 10 | ..           |             | ..         |             | ..         |    |

\* Ruling or predominant rates, see note at top of page 188.  
 Perth and Hobart rates from 1st January, 1921.

† Sydney, Melbourne, Adelaide,

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP II.—ENGINEERING, METAL WORKS, ETC.—continued.

| Industry and Occupation.             | Sydney.     | Melbourne.  | Brisbane.     | Adelaide.   | Perth.       | Hobart. |
|--------------------------------------|-------------|-------------|---------------|-------------|--------------|---------|
|                                      | s. d.       | s. d.       | s. d.         | s. d.       | s. d.        | s. d.   |
| <b>Moulding Pipes—Vertical.</b>      |             |             |               |             |              |         |
| Casters .. .. .                      | 94 0        | 84 0        | *89 10        | ..          | 93 6         | 98 0    |
| Coremakers .. .. .                   | 94 0        | 84 0        | *82 6         | 96 0*       | 87/6 & 93/6  | 98 0    |
| Corers .. .. .                       | 94 0        | 84 0        | *89 10        | ..          | 80 0         | ..      |
| Rammers .. .. .                      | 94 0        | 84 0        | *84 4         | 96 0*       | 92 6         | 98 0    |
| <b>Moulding—Steel.</b>               |             |             |               |             |              |         |
| Coremakers .. .. .                   | 110 6       | 86/ to 100/ | ..            | 102 0       | 99 0         | 98 0    |
| Moulders .. .. .                     | 110 6       | 86/ to 100/ | *96/3 & 99/11 | 88/6 & 102/ | 99 0         | 98 0    |
| <b>Moulding—Stove.†</b>              |             |             |               |             |              |         |
| Moulders .. .. .                     | 99/ & 104/  | 95 0        | *88 11        | 88 6        | 96 0         | ..      |
| <b>Ovenmaking.†</b>                  |             |             |               |             |              |         |
| Blacksmiths .. .. .                  | 97 0        | 83 0        | ..            | 87 0        | 104 0*       | ..      |
| Grinders and Polishers .. .. .       | 95/ & 97/   | 85 0        | 677 0         | 82 0        | 84 6 to 95/* | ..      |
| Ovenmakers .. .. .                   | 99/ & 105/  | 87 0        | *88 11        | 87/ & 92/   | 92 0*        | ..      |
| <b>Sheet Metal Working.</b>          |             |             |               |             |              |         |
| Canister Makers .. .. .              | 85 6        | 79/ & 86/   | *86 2         | 82 0        | 92/ & 98/    | 80 0    |
| Japanners—                           |             |             |               |             |              |         |
| Coating or Brushwork .. .. .         | ..          | 83 0        | 688 0         | 75 0        | ..           | ..      |
| Grainers, Liners, etc. .. .. .       | ..          | 84 0        | 688 0         | 78 0        | ..           | ..      |
| Ornamental .. .. .                   | ..          | 90 0        | 688 0         | 85 0        | ..           | ..      |
| Machinists .. .. .                   | 85/6 & 91/6 | 86 0        | 688 0         | 76/ & 80/   | 92/ & 98/    | ..      |
| Solderers .. .. .                    | 85/6 & 89/6 | 83/ & 86/   | 688 0         | 75/ to 80/  | 92/ & 98/    | ..      |
| Tinsmiths .. .. .                    | 99 6        | 90/ & 94/   | 688 0         | 84/ & 88/   | 92/ & 98/    | 74 0    |
| <b>Wireworking—Barbed Wire.†</b>     |             |             |               |             |              |         |
| Toolsharpeners or Machinists .. .. . | *95 4       | 86 0        | ..            | 75/ & 81/   | ..           | ..      |
| <b>Galvanising.†</b>                 |             |             |               |             |              |         |
| Galvanisers .. .. .                  | *85 0       | 96 0        | 6100 10       | 78 0        | ..           | ..      |
| Picklers .. .. .                     | *85 0       | 90 0        | *82 6         | 78 0        | ..           | ..      |
| „ Assistant .. .. .                  | *85 0       | 84 0        | ..            | 75 0        | ..           | ..      |
| <b>Nailmaking—†</b>                  |             |             |               |             |              |         |
| Case Wiremen .. .. .                 | *85 0       | 78 0        | ..            | 75 0        | ..           | ..      |
| Labourers .. .. .                    | *85 0       | 78 0        | ..            | 75 0        | ..           | ..      |
| Setters Up .. .. .                   | *95 4       | 89 0        | ..            | 75/ to 87/  | ..           | ..      |
| Storemen .. .. .                     | *85 0       | 84 0        | ..            | 75 0        | ..           | ..      |
| Toolmakers .. .. .                   | *95 4       | 96 0        | ..            | 77 0        | ..           | ..      |
| <b>Wire Netting Working—†</b>        |             |             |               |             |              |         |
| Weavers—                             |             |             |               |             |              |         |
| Hand-Loom .. .. .                    | 688 0       | 78 0        | ..            | ..          | ..           | ..      |
| Power-Loom .. .. .                   | 688 0       | 78 0        | ..            | ..          | ..           | ..      |
| Strikers .. .. .                     | 693 0       | 85 0        | ..            | ..          | ..           | ..      |
| <b>Wire Working—</b>                 |             |             |               |             |              |         |
| Journeymen .. .. .                   | 87 0        | 85 0        | ..            | 72 0        | 80/ to 95/*  | 85 0*   |

## GROUP III.—FOOD, DRINK, TOBACCO, ETC.

|                                     |   |                    |                              |                    |              |            |
|-------------------------------------|---|--------------------|------------------------------|--------------------|--------------|------------|
| <b>Aerated Waters and Cordials.</b> |   |                    |                              |                    |              |            |
| Bottlers .. .. .                    | 92 6                                      | 82 6               | *77 6                        | 72 0               | 85 0         | 75 0       |
| Bottlewashers .. .. .               | 90 6                                      | 80 0               | *77 6                        | 72 0               | 80 0         | 75 0       |
| Drivers—                            |   |                    |                              |                    |              |            |
| Motor .. .. .                       | 94/6 & 97/6                               | 87/ to 95/         | 80/ to 88/                   | 87/ & 91/          | 85/ & 89/    | 87/ to 95/ |
| One Horse .. .. .                   | 90 6                                      | *82 0              | 77 0                         | *82 0              | 85 0         | *82 0      |
| Two Horses .. .. .                  | 93 0                                      | *87 0              | 82 0                         | *87 0              | 85 0         | *87 0      |
| Grooms or Stablemen .. .. .         | 90 6                                      | 81 0               | 76 0                         | 81 0               | 80 0         | 81 0       |
| Loaders .. .. .                     | 90 6                                      | 80 0               | *77 6                        | 72 0               | 80 0         | 75 0       |
| Packers .. .. .                     | 90 6                                      | 80 0               | *77 6                        | 72 0               | 85 0         | 75 0       |
| Wiremen .. .. .                     | 90 6                                      | 80 0               | ..                           | 72 0               | 85 0         | 75 0       |
| <b>Baking—Bread.</b>                |   |                    |                              |                    |              |            |
| Board Hands .. .. .                 | <sup>10</sup> 102 6                       | 120 0              | *95/ & 97/6                  | 87 0               | 95 0         | 82 6       |
| Carters—One Horse .. .. .           | <sup>11</sup> 97 0                        | <sup>12</sup> 80 0 | 85 0                         | <sup>13</sup> 80 0 | 85 0         | 82 0       |
| Two Horses .. .. .                  | <sup>11</sup> 97 0                        | <sup>12</sup> 84 0 | 88 0                         | <sup>13</sup> 80 0 | 85 0         | 87 0       |
| Doughmen .. .. .                    | <sup>10</sup> 105 & <sup>10</sup> 107/6   | 120 0              | *102 6                       | 87 0               | 100 0        | 82 6       |
| Forehands .. .. .                   | <sup>10</sup> 107/6 & <sup>10</sup> 112/6 | 128 0              | *102/6 & <sup>10</sup> 107/6 | 87 0               | 97/6 to 120/ | 92 6       |
| Ovenmen .. .. .                     | <sup>10</sup> 107 6                       | 120 0              | *97 6                        | 87 0               | 100 0        | 82 6       |
| Singlehands .. .. .                 | <sup>10</sup> 107 6                       | 128 0              | *102 6                       | 87 0               | 102 6        | 87 6       |

\* Ruling or predominant rates, see note at top of page 188. † Adelaide rates from 14th January, 1921. ‡ Rates for Sydney are taken from awards covering employees of Lysaght Bros. & Co. Ltd.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP III.—FOOD, DRINK, TOBACCO, ETC.—continued.

| Industry and Occupation.           | Sydney.               |       | Melbourne.            |       | Brisbane.           |    | Adelaide.           |      | Perth.            |       | Hobart.           |    |
|------------------------------------|-----------------------|-------|-----------------------|-------|---------------------|----|---------------------|------|-------------------|-------|-------------------|----|
|                                    | s.                    | d.    | s.                    | d.    | s.                  | d. | s.                  | d.   | s.                | d.    | s.                | d. |
| <b>Baking—Biscuits and Cakes.</b>  |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Adult Males .. ..                  | 88                    | 0     | 75                    | 0     | 1 <sup>07</sup> 5 0 |    | 75                  | 0    | 75/ to 90/*       |       | 72                | 0  |
| Bakers .. ..                       | 99                    | 6     | 84                    | 0     | 1 <sup>08</sup> 4 6 |    | 80                  | 0    | 95/ to 105/*      |       | 77                | 6  |
| Brakesmen .. ..                    | 92                    | 0     | 78                    | 0     | 1 <sup>07</sup> 7 0 |    | 78                  | 0    | ..                |       | 73                | 6  |
| Mixers .. ..                       | 92                    | 0     | 84                    | 0     | 1 <sup>08</sup> 4 6 |    | 78                  | 0    | 95/ to 105/*      |       | 82                | 6  |
| Oven Firemen .. ..                 | 93                    | 6     | 78                    | 0     | 1 <sup>07</sup> 7 0 |    | 78                  | 0    | ..                |       | 77                | 6  |
| Storemen .. ..                     | 97                    | 0     | 75                    | 0     | 1 <sup>08</sup> 0 0 |    | 75                  | 0    | 87/ & 90/*        |       | ..                |    |
| <b>Brewing.</b>                    |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Adult Males .. ..                  | 85                    | 0     | 688                   | 0     | 680                 | 0  | 80                  | 0    | 92                | 6     | 75                | 6  |
| Bottle Packers .. ..               | 85                    | 0     | 688                   | 0     | 680                 | 0  | 80                  | 0    | 92                | 6     | 75                | 6  |
| Bottlers and Washers ..            | 85                    | 0     | 688                   | 0     | 680                 | 0  | 80                  | 0    | 92                | 6     | 75                | 6  |
| Cellarmen .. ..                    | 85                    | 0     | 691                   | 0     | 685                 | 0  | 86                  | 0    | 92                | 6     | 78                | 6  |
| Drivers—                           |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| One Horse .. ..                    | 85                    | 0     | 82                    | 0     | 80                  | 0  | 80                  | 0    | 92                | 6     | 82                | 0  |
| Two Horses .. ..                   | 85                    | 0     | 87                    | 0     | 85                  | 0  | 83                  | 0    | 92                | 6     | 87                | 0  |
| Motor, under 3 tons ..             | 89                    | 0     | 87/ & 91/             |       | 80/ to 88/          |    | 88                  | 0    | ..                |       | 87/ & 91/         |    |
| " 3 tons & over ..                 | 89                    | 0     | 95                    | 0     | 93/ & 98/           |    | 89                  | 0    | 100/ & 102/6      |       | 95                | 0  |
| Engine Drivers† .. ..              | 93                    | 6     | 98/ & 101/            |       | 95/ to 124/         |    | 111                 | 0    | 85                | 0*    | 88/6 to 94/6      |    |
| Firemen† .. ..                     | 87                    | 6     | 90/6 to 98/           |       | 95                  | 0  | 105                 | 0    | 85                | 6     | 84/6 & 85/6       |    |
| Greasers and Trimmers†             | 85                    | 0     | 90                    | 6     | 91/ & 92/           |    | 101                 | 0    | 81                | 0*    | 79/6 & 81/        |    |
| Malt Hands .. ..                   | 85                    | 0     | 688                   | 0     | 680                 | 0  | 80                  | 0    | 92                | 6     | 75                | 6  |
| Stablemen and Grooms ..            | 85                    | 0     | 81                    | 0     | 76                  | 0  | 83                  | 0    | 112               | 6     | 81                | 0  |
| Towermen .. ..                     | 85                    | 0     | 688                   | 0     | 680                 | 0  | 83                  | 0    | 92                | 6     | 75                | 6  |
| <b>Butchering—Carcase.</b>         |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Carters—One Horse ..               | 1 <sup>02</sup> 25 0  |       | 87                    | 0     | 681                 | 0  | 91                  | 0    | 85                | 0     | 82                | 0  |
| Two Horses .. ..                   | 1 <sup>02</sup> 101 0 |       | 87                    | 0     | 684                 | 0  | 91                  | 0    | 85                | 0     | 87                | 0  |
| Chilling Room Hands ..             | 85                    | 0     | ..                    |       | 690                 | 0  | ..                  |      | 680               | 0     | ..                |    |
| Labourers—Beef .. ..               | 93                    | 6     | 84                    | 0     | 680                 | 0  | 85                  | 0    | 685               | 0     | 78                | 0  |
| Mutton .. ..                       | 85                    | 0     | 84                    | 0     | 680                 | 0  | 85                  | 0    | 680               | 0     | 78                | 0  |
| Scalders .. ..                     | 85                    | 0     | 93                    | 0     | 690                 | 0  | 99                  | 0    | 685/ & 107/6      |       | 78                | 0  |
| Slaughtermen—Beef ..               | 121                   | 6     | 1 <sup>01</sup> 115 0 |       | 6100                | 0  | 714                 | 0    | 6107              | 6     | 105               | 0  |
| Mutton .. ..                       | +                     |       | 1 <sup>01</sup> 115 0 |       | 6100                | 0  | 714                 | 0    | 6107              | 6     | 105               | 0  |
| <b>Butchering—Retail.</b>          |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Carters—                           |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Cash Cutting .. ..                 | 107                   | 0     | 93                    | 0     | 1230                | 0  | 85                  | 0    | 90                | 0     | 80                | 0  |
| One Horse .. ..                    | 89                    | 6     | 83                    | 0     | 1231                | 0  | 82                  | 0    | 80                | 0     | ..                |    |
| Two Horses .. ..                   | 89                    | 6     | 81                    | 0     | 1284                | 0  | 87                  | 0    | 80                | 0     | ..                |    |
| General Hands .. ..                | 89                    | 6     | 93                    | 0     | 1290                | 0  | 85                  | 0    | 90                | 0     | 80                | 0  |
| Salts .. ..                        | 107                   | 0     | 93                    | 0     | 1290                | 0  | 85                  | 0    | 90                | 0     | 80                | 0  |
| Shopmen .. ..                      | 90/6 & 107/           |       | 93                    | 0     | 1290                | 0  | 85                  | 0    | 95                | 0     | 80                | 0  |
| Smallgoodsmen .. ..                | 107                   | 0     | 93                    | 0     | 1290                | 0  | 85                  | 0    | 95                | 0     | 80                | 0  |
| " Assistant .. ..                  | 99                    | 6     | 93                    | 0     | 1280                | 0  | 85                  | 0    | 85                | 0     | 80                | 0  |
| <b>Butter Making.</b>              |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Buttermakers .. ..                 | 103                   | 0     | 85                    | 0     | 92                  | 0  | } 90 0 to<br>100 0* |      | ..                |       | ..                |    |
| Cream Graders .. ..                | 95                    | 0     | 93                    | 0     | 85                  | 0  |                     |      | ..                |       | ..                |    |
| Cream or Milk Testers ..           | 90                    | 0     | 88                    | 0     | 85                  | 0  |                     |      | ..                |       | ..                |    |
| <b>Machinists—</b>                 |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Milk Drying, etc. ..               | ..                    |       | 83                    | 0     | ..                  |    | ..                  |      | ..                |       | ..                |    |
| Pasteurizer .. ..                  | 85                    | 0     | 79                    | 0     | ..                  |    | ..                  |      | ..                |       | ..                |    |
| Separator, Weighing,<br>etc. .. .. | 85                    | 0     | 79                    | 0     | ..                  |    | ..                  |      | ..                |       | ..                |    |
| Storemen or Packers ..             | 85                    | 0     | 79                    | 0     | 677                 | 0  | 80                  | 0*   | ..                |       | ..                |    |
| Other Adults .. ..                 | 85                    | 0     | 78                    | 0     | 77                  | 0  | 80                  | 0*   | ..                |       | ..                |    |
| <b>Cheesemaking.</b>               |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Journeymen .. ..                   | ..                    |       | 90                    | 0     | 92                  | 0  | ..                  |      | ..                |       | ..                |    |
| Other Adults .. ..                 | ..                    |       | 78                    | 0     | 77                  | 0  | ..                  |      | ..                |       | ..                |    |
| <b>Cold Storage and Ice.</b>       |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Carters—                           |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Motor .. ..                        | 4 <sup>98</sup> 0     |       | 87                    | 0     | 80                  | 0  | 87/ & 91/           |      | 90                | 0     | 4 <sup>87</sup> 0 |    |
| & 98 0                             |                       | to 95 | 0                     | to 88 | 0                   |    |                     | & 94 | 0                 | to 95 | 0                 |    |
| One Horse .. ..                    | 4 <sup>91</sup> 6     |       | 82                    | 0     | 77                  | 0  | 4 <sup>82</sup> 0   |      | 4 <sup>85</sup> 0 |       | 4 <sup>82</sup> 0 |    |
| & 93 6                             |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Two Horses .. ..                   | 4 <sup>94</sup> 0     |       | 87                    | 0     | 82                  | 0  | 4 <sup>87</sup> 0   |      | 4 <sup>90</sup> 0 |       | 4 <sup>87</sup> 0 |    |
| & 96 0                             |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Chamber Hands .. ..                | 93                    | 6     | 699                   | 0     | 6117 6s             |    | 77                  | 0*   | 80                | 0*    | 75                | 0  |
| & 96 6                             |                       |       |                       |       |                     |    |                     |      |                   |       |                   |    |
| Pullers and Stackers ..            | 87                    | 6     | 699                   | 0     | 6123 6s             |    | 77                  | 0*   | 75                | 0*    | 74                | 0* |

\* Ruling or predominant rates, see note at top of page 188. † Melbourne rates from 1st January, 1921. ‡ Piece-work rates. § Rates from Meat Export Award.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP III.—FOOD, DRINK, TOBACCO ETC.—continued.

| Industry and Occupation.          | Sydney.      | Melbourne.  | Brisbane.        | Adelaide.   | Perth.      | Hobart.      |
|-----------------------------------|--------------|-------------|------------------|-------------|-------------|--------------|
|                                   | s. d.        | s. d.       | s. d.            | s. d.       | s. d.       | s. d.        |
| <b>Confectionery.</b>             |              |             |                  |             |             |              |
| Journeyman .. ..                  | 95 0         | 90 0        | 987 6            | 80/ & 84/   | 81 0*       | 80 0*        |
| Labourers .. ..                   | 85 0         | 78 0        | 977 0            | 75 0        | 66 0*       | ..           |
| Storemen—Head ..                  | 95 0         | 87 6        | 989 0            | 80 0        | 67 0*       | ..           |
| Other .. ..                       | 85 0         | 82 6        | to 111 6<br>84 0 | 75 0        | 66 0*       | ..           |
| <b>Ham and Bacon Curing.†</b>     |              |             |                  |             |             |              |
| Casing Cleaners—Foreman           | 94/ & 100/   | 105 0       | 106 0            | 91 6        | ..          | 80 6         |
| Curers—First Hand ..              | 116 0        | 105 0       | 106 0            | 91 6        | 92 6        | 80 6         |
| Assistant .. ..                   | 101 0        | 92 6        | 989 0            | 84 0        | 85 0        | 66 0         |
| Cutters Up—First Hand             | 102 0        | 105 0       | 100 0            | 91 6        | 85 0        | 80 6         |
| Assistant .. ..                   | 94 6         | 97 6        | 991 0            | 84 0        | 77 6        | 73 0         |
| Ham Baggers .. ..                 | ..           | 90 6        | 994 0            | 77 0        | 80 0        | 66 0         |
| Lardmen .. ..                     | 89 6         | 87/6 & 97/6 | 994 0            | 77/ & 84/   | 85 0        | 66/ & 73/    |
| Rollers and Trimmers ..           | 94 6         | 97 6        | 987 9            | 84 0        | 80/ & 85/   | 73 0         |
| Scalders .. ..                    | 89 6         | 97 6        | 996 6            | 84 0        | 87 6        | 73 0         |
| Shavers .. ..                     | 89 6         | 97 6        | 985 0            | 84 0        | 80 0        | 73 0         |
| Slaughtermen .. ..                | †            | 105 0       | 106 0            | 91 6        | 92 6        | 80 6         |
| Assistant .. ..                   | ..           | 97 6        | 986 0            | 84 0        | 80 0        | 73 0         |
| Smallgoodsmen—                    |              |             |                  |             |             |              |
| First Hand .. ..                  | 102 0        | 105 0       | 106 0            | 91 6        | 92 6        | 80 6         |
| Assistant .. ..                   | 89 6         | 92 6        | 985 0            | 77 0        | 85 0        | 66 0         |
| Smokers—First Hand ..             | 94 6         | 97 6        | 100 0            | 84 0        | 80 0        | 73 0         |
| Assistant .. ..                   | 89 6         | 87 6        | 985 0            | 77 0        | 77 6        | 66 0         |
| Washers—First Hand ..             | 94 6         | ..          | 987 9            | 77 0        | 80 0        | 66 0         |
| Assistant .. ..                   | 89 6         | 87 6        | 985 0            | ..          | 77 6        | ..           |
| <b>Jam Making and Preserving.</b> |              |             |                  |             |             |              |
| Adult Males .. ..                 | 85 0         | 78 0        | 77 0             | 72 0        | 68 0*       | 78 0         |
| Solderers .. ..                   | 85/6 & 89/6  | 83/ & 86/   | 988 0            | 72 0        | 90 0*       | 84 0         |
| <b>Malting.</b>                   |              |             |                  |             |             |              |
| Maltsters .. ..                   | 85 0         | 88 0        | 75 0             | 86 0        | 92 6*       | 80 0         |
| <b>Meat Packing.§</b>             |              |             |                  |             |             |              |
| Cappers .. ..                     | 101 0        | 78/ & 86/   | 117 6            | ..          | ..          | ..           |
| Fillers and Podgers ..            | 91 0         | 987 0       | 102 0            | ..          | ..          | ..           |
| Guillotine Hands ..               | 90 0         | 78 0        | 108 0            | ..          | ..          | ..           |
| Jokermen .. ..                    | 101 0        | 78/ & 86/   | 110/6 & 114/     | ..          | ..          | ..           |
| Lacquers .. ..                    | 101 0        | 987 0       | 102/ & 108/      | ..          | ..          | ..           |
| Margarine Makers ..               | 85/ & 90/    | 984 0       | ..               | ..          | ..          | ..           |
| Packers .. ..                     | 91 0         | 987 0       | 102 0            | ..          | ..          | ..           |
| Seamers .. ..                     | 101 0        | 78/ & 86/   | 123 6            | ..          | ..          | ..           |
| <b>Milk Delivery.</b>             |              |             |                  |             |             |              |
| Carters—One Horse ..              | 185 0        | 82 0        | 84 0             | 82 0        | 70 0        | 82 0         |
| Two Horses .. ..                  | 185 0        | 87 0        | 89 0             | 87 0        | ..          | 87 0         |
| <b>Milling—Condiments.</b>        |              |             |                  |             |             |              |
| Grinders .. ..                    | 96 6         | 80 6        | 77 0             | 80 6        | ..          | 78 0         |
| Mixers or Blenders ..             | 89 6         | 80 6        | 77 0             | 80 6        | ..          | 78 0         |
| Stone Dressers .. ..              | 97 0         | 83 6        | 77 0             | 83 6        | ..          | 78 0         |
| Other Adults .. ..                | 89 6         | 78 0        | 77 0             | 78 0        | ..          | 78 0         |
| <b>Milling—Flour.¶</b>            |              |             |                  |             |             |              |
| Engine Drivers .. ..              | 100/ to 109/ | 91/ & 94/   | 108/2 & 128/7    | 91/ & 94/   | 91/ & 94/   | 82/6 to 94/6 |
| Firemen .. ..                     | 94/ to 100/  | 988 0       | 2105 8           | 988 0       | 988 0       | ..           |
| Millers—Head .. ..                | 113 0        | 104 0       | 100 0            | 104 0       | 104 0       | 100 0        |
| Shift .. ..                       | 104/ to 112/ | 94/ to 103/ | 91/6 to 99/6     | 94/ to 103/ | 94/ to 103/ | 90 0         |
| Millwrights .. ..                 | 107 0        | 910 0       | ..               | 910 0       | 910 0       | 90 0         |
| Packers .. ..                     | 90 6         | 987 0       | 80 0             | 987 0       | 987 0       | 80 0         |
| Purifiers .. ..                   | 92 0         | 986 0       | 80 0             | 986 0       | 986 0       | 78 0         |
| Silksmen .. ..                    | 92 0         | 986 0       | 80 0             | 986 0       | 986 0       | 78 0         |
| Smuttermen .. ..                  | 90 6         | 987 0       | 82 0             | 987 0       | 987 0       | ..           |
| Storemen—Head .. ..               | 92/ & 96/    | 900 0       | 85 0             | 900 0       | 900 0       | 85 0         |
| Topmen .. ..                      | 92 0         | 986 0       | 80 0             | 986 0       | 986 0       | 78 0         |
| Truckers and others ..            | 90 6         | 82/ & 85/   | ..               | 82/ & 85/   | 82/ & 85/   | 78 0         |
| Wheat Carriers per hour           | 2 5          | 2 3         | 2 0½             | 2 3         | 2 3         | 2 3          |
| <b>Milling—Oatmeal.</b>           |              |             |                  |             |             |              |
| Kilnmen .. ..                     | 92 0         | 80 6        | 77 0             | 80 6        | ..          | 78/ & 80/    |
| Millers—Head .. ..                | 102 6        | 85 6        | 81/ to 96/       | 85 6        | ..          | 100 0        |

\* Ruling or predominant rates, see note at top of page 188. † Melbourne rates from 1st January, 1921. ‡ Piece-work rates. § Brisbane rates taken from Meat Export Award. ¶ Melbourne, Adelaide and Perth rates from 1st January, 1921.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP III.—FOOD, DRINK, TOBACCO, ETC.—continued.

| Industry and Occupation. | Sydney. |    | Melbourne.  |    | Brisbane.  |    | Adelaide. |    | Perth.      |    | Hobart. |    |
|--------------------------|---------|----|-------------|----|------------|----|-----------|----|-------------|----|---------|----|
|                          | s.      | d. | s.          | d. | s.         | d. | s.        | d. | s.          | d. | s.      | d. |
| <b>Milling—Rice.</b>     |         |    |             |    |            |    |           |    |             |    |         |    |
| Dryingroom Hands ..      | 95      | 6  | 78          | 0  | 77 0       |    | 78        | 0  | ..          |    | ..      |    |
| Millers—Head ..          | 102     | 6  | 85 6        |    | 81/ to 96/ |    | 85 6      |    | ..          |    | ..      |    |
| Stonedressers ..         | 97      | 0  | 83 6        |    | 77 0       |    | 83 6      |    | ..          |    | ..      |    |
| Other Adults ..          | 89      | 6  | 78          | 0  | 77 0       |    | 78        | 0  | ..          |    | ..      |    |
| <b>Pastrycooking.†</b>   |         |    |             |    |            |    |           |    |             |    |         |    |
| Carters ..               | 91 0    |    | 82          | 0  | 85         | 0  | 82        | 0  | 85          | 0  | 82      | 0  |
| Packers ..               | 91      | 0  | 72          | 0  | 1077       | 0  | ..        |    | ..          |    | 72      | 0  |
| Pastrycooks ..           | 101     | 0  | 96          | 0  | 10102 6    |    | 87        | 0  | 95/ & 102/6 |    | 82      | 6  |
| „ Assistant ..           | 88      | 0  | 85          | 0  | 1095       | 0  | ..        |    | ..          |    | 72      | 0  |
| <b>Poulterers.</b>       |         |    |             |    |            |    |           |    |             |    |         |    |
| Bench Hands—1st Rate ..  | 94      | 6  | 72          | 0  | ..         |    | ..        |    | ..          |    | ..      |    |
| 2nd Rate ..              | 89      | 6  | 62/6 & 67/6 |    | ..         |    | ..        |    | ..          |    | ..      |    |
| Foremen ..               | 102     | 0  | 85          | 0  | ..         |    | ..        |    | ..          |    | ..      |    |
| <b>Tea Packing.</b>      |         |    |             |    |            |    |           |    |             |    |         |    |
| Foremen ..               | ..      |    | 85          | 0  | 81/ to 96/ |    | ..        |    | ..          |    | ..      |    |
| Headmen ..               | 85      | 0* | 80          | 0  | 81/ to 96/ |    | 88        | 6  | ..          |    | ..      |    |
| Other Adults ..          | 85      | 0* | 74          | 0  | 77 0       |    | 77        | 0  | ..          |    | ..      |    |

## GROUP IV.—CLOTHING, HATS, BOOTS, ETC.

|                                       |       |    |       |   |       |  |            |  |       |   |       |   |
|---------------------------------------|-------|----|-------|---|-------|--|------------|--|-------|---|-------|---|
| <b>Bootmaking.‡</b>                   |       |    |       |   |       |  |            |  |       |   |       |   |
| Bootmakers ..                         | 98    | 6  | 90 3  |   | 90 3  |  | 90 3       |  | 98    | 6 | 90 3  |   |
| <b>Dyeing and Cleaning.</b>           |       |    |       |   |       |  |            |  |       |   |       |   |
| Clothes Cleaners ..                   | 88    | 0§ | 72    | 6 | ..    |  | ..         |  | 80 0* |   | 87 6* |   |
| Dyers—Black ..                        | 105   | 0§ | 87    | 6 | ..    |  | ..         |  | 90 0* |   | ..    |   |
| Colour ..                             | 105   | 0§ | 87    | 6 | ..    |  | ..         |  | 90 0* |   | ..    |   |
| Dye-house Labourers ..                | 88    | 0§ | 70    | 0 | ..    |  | ..         |  | ..    |   | ..    |   |
| <b>Hatmaking—Straw.</b>               |       |    |       |   |       |  |            |  |       |   |       |   |
| Bleachers ..                          | ..    |    | 65    | 0 | ..    |  | ..         |  | ..    |   | ..    |   |
| Blockers ..                           | 1095  | 0  | 72    | 6 | 87 0  |  | 75 0*      |  | ..    |   | ..    |   |
| Foremen ..                            | 1095  | 0  | 84    | 0 | ..    |  | ..         |  | ..    |   | ..    |   |
| Stiffeners ..                         | 1095  | 0  | 72    | 6 | 87 0  |  | 75 0*      |  | ..    |   | ..    |   |
| <b>Tailoring—Order.</b>               |       |    |       |   |       |  |            |  |       |   |       |   |
| Cutters ..                            | 105 0 |    | 105 0 |   | 105 0 |  | 105 0      |  | 110 0 |   | 105 0 |   |
| Pressers ..                           | 92 0  |    | 92 0  |   | 92 0  |  | 92 0       |  | 100 0 |   | 92 0  |   |
| Tailors ..                            | 92 0  |    | 92 0  |   | 92 0  |  | 92 0       |  | 100 0 |   | 92 0  |   |
| Trimmers ..                           | 103 0 |    | 92 0  |   | 92 0  |  | 92 0       |  | 100 0 |   | 92 0  |   |
| <b>Tailoring—Ready-made.</b>          |       |    |       |   |       |  |            |  |       |   |       |   |
| Brushers ..                           | 85 0  |    | 80 0  |   | 80 0  |  | 80 0       |  | ..    |   | 80 0  |   |
| Cutters ..                            | 103 0 |    | 92 0  |   | 92 0  |  | 92 0       |  | 95 0  |   | 92 0  |   |
| Folders ..                            | 85 0  |    | 80 0  |   | 80 0  |  | 80 0       |  | ..    |   | 80 0  |   |
| Machinists ..                         | 92 0  |    | 92 0  |   | 92 0  |  | 92 0       |  | ..    |   | 92 0  |   |
| Pressers—Coat Hands ..                | 92 0  |    | 92 0  |   | 92 0  |  | 92 0       |  | 95 0  |   | 92 0  |   |
| Trousers and Vest Hands ..            | 92 0  |    | 92 0  |   | 92 0  |  | 92 0       |  | 95 0  |   | 92 0  |   |
| Tailors ..                            | 92 0  |    | 92 0  |   | 92 0  |  | 92 0       |  | 95 0  |   | 92 0  |   |
| Trimmers ..                           | 103 0 |    | 92 0  |   | 92 0  |  | 92 0       |  | 95 0  |   | 92 0  |   |
| <b>Under Pressers—</b>                |       |    |       |   |       |  |            |  |       |   |       |   |
| Coat Hands ..                         | 85 0  |    | 77 0  |   | 77 0  |  | 77 0       |  | 90 0  |   | 77 0  |   |
| Trousers and Vest Hands ..            | 85 0  |    | 77 0  |   | 77 0  |  | 77 0       |  | 90 0  |   | 77 0  |   |
| <b>Textile Working—Woollen Mills.</b> |       |    |       |   |       |  |            |  |       |   |       |   |
| Carders ..                            | 86    | 0  | 78    | 0 | 77 0  |  | 63/ & 78/* |  | ..    |   | 78    | 0 |
| Dyehousemen ..                        | 86    | 6  | 78    | 0 | 77 0  |  | 68/ & 78/* |  | ..    |   | 80    | 0 |
| Labourers—General ..                  | 85    | 0  | 78    | 0 | 77 0  |  | 63/ & 78/* |  | ..    |   | 78    | 0 |
| Willyhouse ..                         | 85    | 6  | 78    | 0 | 77 0  |  | 65/ & 78/* |  | ..    |   | 78    | 0 |
| Milling Hands ..                      | 85    | 6  | 78    | 0 | 77 0  |  | 75/ & 78/* |  | ..    |   | 78    | 0 |
| Pattern Weavers ..                    | 85    | 6  | 78    | 0 |       |  | 63/ & 78/* |  | ..    |   | 78    | 0 |
| Scourers ..                           | 85    | 6  | 78    | 0 | 77 6  |  | 75/ & 78/* |  | ..    |   | 80    | 0 |

\* Ruling or predominant rates, see note at top of page 188. † Sydney rates from 9th January, 1921. ‡ Melbourne, Brisbane, Adelaide, Perth and Hobart rates from 1st January, 1921. § Six-day week—48 hours; five-day week—46½ hours. || Piecework rates.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.



## GROUP IV.—CLOTHING, HATS, BOOTS, ETC.—continued.

| Industry and Occupation.                   | Sydney.     |    | Melbourne  |           | Brisbane.  |    | Adelaide.  |    | Perth. |    | Hobart. |    |
|--|-------------|----|------------|-----------|------------|----|------------|----|--------|----|---------|----|
|  | s.          | d. | s.         | d.        | s.         | d. | s.         | d. | s.     | d. | s.      | d. |
| <b>Textile Working—Woollen Mills—cont.</b> |             |    |            |           |            |    |            |    |        |    |         |    |
| Spinners .. ..                             | 85          | 6  | 79         | 0         | 92         | 6  | 63/ & 79/* |    | ..     |    | 78      | 0  |
| Turners .. ..                              | 89/6 to 100 | 6  | 80/ to 88/ |           | 81/6 to 92 | 6  | 75/ & 88/* |    | ..     |    | 78      | 0  |
| Twisters in .. ..                          | 88          | 6  | 78         | 0         | †          |    | 63/ & 78/* |    | ..     |    | 78      | 0  |
| Warpers .. ..                              | 86          | 0  | 79         | 0         | ..         |    | 65/ & 79/* |    | ..     |    | 78      | 0  |
| Other Adults .. ..                         | 85          | 0  | 78         | 0         | 77         | 0  | 63/ & 78/* |    | ..     |    | 78      | 0  |
| <b>Tlemaking.</b>                          |             |    |            |           |            |    |            |    |        |    |         |    |
| Cutters—Lining .. ..                       | ..          |    | 670        | 0 to      | ..         |    | ..         |    | ..     |    | ..      |    |
| Silk .. ..                                 | 85/ to 95/* |    | 90         | 0*        | ..         |    | ..         |    | ..     |    | ..      |    |
| <b>Waterproof Clothing.</b>                |             |    |            |           |            |    |            |    |        |    |         |    |
| Cutters—Rubber Material                    | 103         | 0* | 82         | 6 to 90/* | ..         |    | ..         |    | ..     |    | ..      |    |

## GROUP V.—BOOKS, PRINTING, BINDING, ETC.

|                                   |              |   |             |    |              |   |     |    |            |   |             |   |
|-----------------------------------|--------------|---|-------------|----|--------------|---|-----|----|------------|---|-------------|---|
| <b>Bookbinding.</b>               |              |   |             |    |              |   |     |    |            |   |             |   |
| Feeders .. ..                     | ..           |   | 72          | 0  | 77           | 0 | 78  | 0  | ..         |   | 78          | 0 |
| Finishers .. ..                   | 102          | 0 | 96          | 0  | 95           | 0 | 93  | 0  | 99         | 0 | 100         | 0 |
| Journeymen Bookbinders            | 102          | 0 | 96          | 0  | 95           | 0 | 93  | 0  | 99         | 0 | 100         | 0 |
| Marblers .. ..                    | 102          | 0 | 96          | 0  | 95           | 0 | 93  | 0  | 99         | 0 | 100         | 0 |
| Paper Rulers .. ..                | 102/ & 114/6 |   | 96          | 0  | 95           | 0 | 93  | 0  | 99         | 0 | 100         | 0 |
| <b>Engraving—Process.†</b>        |              |   |             |    |              |   |     |    |            |   |             |   |
| Engravers .. ..                   | 98           | 6 | 90/ to 100/ |    | ..           |   | ..  |    | ..         |   | ..          |   |
| Etchers—Half-tone ..              | 103          | 6 | 90/ to 100/ |    | 107          | 6 | 87  | 6* | ..         |   | ..          |   |
| Line .. ..                        | 98           | 6 | 97          | 6  | 102          | 6 | 75  | 0* | ..         |   | ..          |   |
| Mounters .. ..                    | 91           | 0 | 85          | 0  | 95           | 0 | ..  |    | ..         |   | ..          |   |
| Operators .. ..                   | 103          | 6 | 90/ to 100/ |    | 107          | 6 | ..  |    | ..         |   | ..          |   |
| Printers .. ..                    | 98           | 6 | 92          | 6  | 95           | 0 | 75  | 0* | ..         |   | ..          |   |
| Router .. ..                      | 91           | 0 | 90          | 0  | 95           | 0 | ..  |    | ..         |   | ..          |   |
| <b>Lithographing.</b>             |              |   |             |    |              |   |     |    |            |   |             |   |
| Printers .. ..                    | 102          | 6 | 96          | 0  | 100          | 0 | 93  | 0  | ..         |   | 100         | 0 |
| Rotary Machinists ..              | 107          | 6 | 100/ & 104/ |    | 100          | 0 | 93  | 0  | 99         | 0 | 102/ & 104/ |   |
| Stone Polishers .. ..             | 102          | 6 | 80          | 0  | 77           | 0 | 78  | 0  | ..         |   | 100         | 0 |
| <b>Printing—Daily Newspapers.</b> |              |   |             |    |              |   |     |    |            |   |             |   |
| Compositors—Day Work              | 114          | 0 | 117         | 6  | 103          | 4 | 96  | 0  | 109        | 0 | 100         | 0 |
| Night Work .. ..                  | 124          | 0 | 130         | 2  | 110          | 8 | 105 | 0  | 119        | 0 | 105         | 0 |
| Linotype Attendants—              |              |   |             |    |              |   |     |    |            |   |             |   |
| Day Work .. ..                    | 109          | 0 | 80          | 0  | 87           | 0 | 78  | 0  | 99         | 0 | 96/ & 100/  |   |
| Night Work .. ..                  | 114          | 0 | 86          | 4  | 92           | 0 | 85  | 6  | 104        | 0 | 101/ & 105/ |   |
| „ Operators—Day Work              | †            |   | †           |    | 113          | 8 | †   |    | 120        | 0 | †           |   |
| Night Work .. ..                  | †            |   | †           |    | 121          | 0 | †   |    | 130        | 0 | †           |   |
| Machinists (First Hand)—          |              |   |             |    |              |   |     |    |            |   |             |   |
| Day Work .. ..                    | 114          | 0 | 95          | 0  | 112          | 0 | 100 | 0  | 104        | 0 | ..          |   |
| Night Work .. ..                  | 124          | 0 | 110         | 0  | 117          | 0 | 110 | 0  | 114        | 0 | 90          | 0 |
| Publishers .. ..                  | 94/ & 99/    |   | 80/ to 92/8 |    | 77/ to 92/   |   | 81  | 0  | 84/ to 91/ |   | 100         | 0 |
| Readers—Day Work ..               | 119          | 0 | 117         | 6  | 84/6 & 99/6  |   | 100 | 0  | 109        | 0 | 100         | 0 |
| Night Work .. ..                  | 134          | 0 | 120         | 0  | 89/6 & 104/6 |   | 110 | 0  | 119        | 0 | 105         | 0 |
| Readers' Assistants—              |              |   |             |    |              |   |     |    |            |   |             |   |
| Day Work .. ..                    | 89           | 0 | 77          | 6  | 77           | 0 | 78  | 0  | 80         | 0 | ..          |   |
| Night Work .. ..                  | 99           | 0 | 85 & 90/    |    | 82           | 0 | 83  | 0  | 90         | 0 | 90          | 0 |
| Stereotypers (1st Class)—         |              |   |             |    |              |   |     |    |            |   |             |   |
| Day Work .. ..                    | 106          | 6 | 90          | 0  | 89/6 & 99/6  |   | 85  | 0  | 96         | 6 | ..          |   |
| Night Work .. ..                  | 111          | 6 | 98          | 10 | 94/6 & 104/6 |   | 90  | 0  | 101        | 6 | 95          | 0 |
| Stereotypers' Assistants—         |              |   |             |    |              |   |     |    |            |   |             |   |
| Day Work .. ..                    | 99           | 0 | 80          | 0  | 79           | 6 | 78  | 0  | 84         | 0 | ..          |   |
| Night Work .. ..                  | 104          | 0 | 89          | 0  | 84           | 6 | 83  | 0  | 94         | 0 | 85          | 0 |
| <b>Printing—Job. Offices.‡</b>    |              |   |             |    |              |   |     |    |            |   |             |   |
| Compositors .. ..                 | 105          | 0 | 96          | 0  | 95           | 0 | 93  | 0  | 99         | 0 | 100         | 0 |
| Electrotypers .. ..               | 110          | 0 | 96          | 0  | 95           | 0 | 93  | 0  | ..         |   | 100         | 0 |
| General Hands .. ..               | ..           |   | 72          | 0  | 77           | 0 | 78  | 0  | 85         | 0 | 78          | 0 |
| Linotype Operators ..             | 108          | 2 | 105         | 0  | 100/ & 108/4 |   | 100 | 0  | 123        | 6 | 110         | 0 |
| Machinists .. ..                  | 95/ to 104/  |   | 96          | 0  | 77/ to 95/   |   | 93  | 0  | 99         | 0 | 100         | 0 |
| Monoline Operators ..             | 108          | 2 | 105         | 0  | 100/ & 108/4 |   | 100 | 0  | 123        | 6 | 110         | 0 |
| Monotype Operators ..             | 108          | 2 | 105         | 0  | 95/ & 101/   |   | 100 | 0  | 123        | 6 | ..          |   |
| Casting Machinists ..             | ..           |   | 72          | 0  | 77           | 0 | 78  | 0  | ..         |   | ..          |   |
| Readers .. ..                     | 105          | 0 | 101         | 0  | 95           | 0 | 93  | 0  | 85         | 0 | 100         | 0 |
| Stereotypers .. ..                | 100          | 0 | 96          | 0  | 95           | 0 | 93  | 0  | 99         | 0 | 100         | 0 |
| Typograph Operators ..            | 108          | 2 | 105         | 0  | 100/ & 108/4 |   | 100 | 0  | 123        | 6 | ..          |   |

\* Ruling or predominant rates see note at top of page 188. † Piece-work rates. ‡ Other than in newspaper offices. § In Perth 48 hours per week may be worked, payment for the extra four hours being made at the ordinary time rate. An employer is not entitled to change from a 44 to a 48 hour week unless one week's notice is given to his employees.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP VI.—OTHER MANUFACTURING.

| Industry and Occupation.         | Sydney.                    | Melbourne.                | Brisbane.   | Adelaide.           | Perth.                  | Hobart.         |
|----------------------------------|----------------------------|---------------------------|-------------|---------------------|-------------------------|-----------------|
|                                  | s. d.                      | s. d.                     | s. d.       | s. d.               | s. d.                   | s. d.           |
| <b>Asphalting.</b> †             |                            |                           |             |                     |                         |                 |
| Layers—Cold Work ..              | 91 6                       | 87 0                      | ..          | 84 0                | ..                      | } 75/<br>to 84/ |
| Hot Work ..                      | 91 6                       | 87 0                      | ..          | ..                  | ..                      |                 |
| Mastic Boilers ..                | 91 6                       | ..                        | ..          | ..                  | ..                      |                 |
| Potmen ..                        | 91 6                       | 84 0                      | ..          | ..                  | ..                      |                 |
| Rubbers Down ..                  | ..                         | 86 0                      | ..          | ..                  | ..                      |                 |
| Yardmen and Labourers            | 89 6                       | 84 0                      | ..          | 84 0                | ..                      |                 |
| <b>Boatbuilding.</b>             |                            |                           |             |                     |                         |                 |
| Boatbuilders ..                  | 85 0                       | 70/ to 80/*               | 699 0       | 96 0*               | 120 0                   | 108 0*          |
| <b>Brickmaking.</b>              |                            |                           |             |                     |                         |                 |
| Burners ..                       | <sup>28</sup> 116/1to117/8 | <sup>11</sup> 102 6       | 84/ to 90/  | <sup>32</sup> 105 0 | <sup>28</sup> 87/6&93/4 | 84 0            |
| Carters—One Horse ..             | <sup>17</sup> 85 0         | 82 0                      | 77 0        | 82 0                | 85 0                    | 82 0            |
| Two Horses ..                    | <sup>17</sup> 90 0         | 87 0                      | 82 0        | 87 0                | 90 0                    | 87 0            |
| Clayhoolmen ..                   | 100 0                      | 81 0                      | 678 10      | 86 0                | 75 0                    | 81 0            |
| Drawers ..                       | 102 0                      | 83/ & 88/                 | 678 10      | 92 0                | ..                      | 87 0            |
| Labourers ..                     | 96 0                       | 77 0                      | 677 0       | 81 0                | 75 0                    | 81 0            |
| Loaders Out ..                   | 96 0                       | ..                        | 677 0       | ..                  | ..                      | 81 0            |
| Loftsmen ..                      | 93 0                       | 77 0                      | 677 0       | 81 0                | 75 0                    | 81 0            |
| Machinemen ..                    | 98 0                       | <sup>12</sup> 31/10&83/11 | 678 10      | 84/ & 87/           | 75/ & 77/               | 81 0            |
| Panmen ..                        | 96/ & 100/                 | <sup>12</sup> 33/11to88 2 | 677 0       | <sup>18</sup> 89 3  | 75 0                    | 81 0            |
| Pit Foremen ..                   | 108 0                      | ..                        | 682 6       | 91 0                | 81 0                    | ..              |
| Men ..                           | 100 0                      | 81/ to 87/                | 678 10      | 86 0                | 75 0                    | 81 0            |
| Shooters ..                      | 104 0                      | 81/ to 87/                | 682 6       | 91 0                | 81 0                    | 84 0            |
| Setters ..                       | 102 0                      | 83/ & 86/                 | 677 & 78/10 | 92 0                | 81 0                    | 87 0            |
| Truckers ..                      | 96 0                       | 77 0                      | 677 0       | 81 0                | 75 0                    | 81 0            |
| Wheelers ..                      | 96 0                       | 77 0                      | 677 & 78/10 | 81 0                | 78 0                    | 81 0            |
| Yardmen ..                       | 96 0                       | 77 0                      | 677 0       | 81 0                | 75 0                    | 81 0            |
| <b>Broom-making—Millet.</b>      |                            |                           |             |                     |                         |                 |
| Sorters—Head ..                  | 100 0                      | 96 0                      | 6100 0      | ..                  | ..                      | 70 0*           |
| Other ..                         | 88/ & 92/                  | 85 0                      | 685 0       | ..                  | ..                      | 60 0*           |
| <b>Brushmaking.</b>              |                            |                           |             |                     |                         |                 |
| Bass Broom Drawers ..            | 102 6                      | 75 6                      | } 94 6 {    | 80 0                | ..                      | ..              |
| Finishers ..                     | 102 6                      | 72 0                      |             | 80 0                | ..                      | ..              |
| Machinists—Boring ..             | 102 6                      | 72 0                      |             | 80 0                | ..                      | ..              |
| Boults Carver ..                 | 107 0                      | 89 0                      |             | 80 0                | ..                      | ..              |
| Paint Brush Makers ..            | 107 0                      | 93 0                      |             | 93 0                | ..                      | ..              |
| Pan Workers—Hair & Bass          | 102 6                      | 86 6                      |             | 86 6                | ..                      | ..              |
| <b>Candle Making.</b>            |                            |                           |             |                     |                         |                 |
| Acidifiers ..                    | 85 0                       | 83 6                      | 81 0        | 83 6                | ..                      | ..              |
| General Hands ..                 | 85 0                       | 78 0                      | 77 0        | 78 0                | 78 0*                   | ..              |
| Glycerine Distillers ..          | 85 0                       | 83 6                      | 77 0        | 83 6                | ..                      | ..              |
| Moulders ..                      | 85 0                       | 82 0                      | 81 0        | 82 0                | 78/ to 84/*             | 80 0*           |
| Press-room Gangers ..            | 85 0                       | 81 0                      | 78 0        | 81 0                | ..                      | ..              |
| Stillmen ..                      | 85 0                       | 83 6                      | 81 0        | 83 6                | ..                      | ..              |
| <b>Cardboard Box Makers.</b>     |                            |                           |             |                     |                         |                 |
| Guillotine and other Cutters     | 91/ & 92/6                 | 84 0                      | 91 0        | 82/ & 93/           | ..                      | ..              |
| Other Adults ..                  | 85 0                       | 72 6                      | 97 0        | 77/ & 79/           | ..                      | ..              |
| <b>Coachmaking—Road. §</b>       |                            |                           |             |                     |                         |                 |
| Bodymakers ..                    | 104 0                      | 99 0                      | 96 3        | 98 0                | 97 0                    | 99 0            |
| Labourers ..                     | 85 0                       | 82 0                      | 97 3        | 81 0                | 80 0                    | 82 0            |
| Painters ..                      | 104 0                      | 99 0                      | 96 3        | 98 0                | 97 0                    | 99 0            |
| Labourers ..                     | 88 0                       | 86 6                      | 84 4        | 85 6                | 84 6                    | 86 6            |
| Smiths ..                        | 104 0                      | 99 0                      | 96 3        | 98 0                | 97 0                    | 99 0            |
| Strikers ..                      | 85 0                       | 85 0                      | 82 3        | 84 0                | 83 0                    | 85 0            |
| Trimmers ..                      | 104 0                      | 99 0                      | 96 3        | 98 0                | 97 0                    | 99 0            |
| Vycemen ..                       | 91 0                       | 86 6                      | 633 9       | 85 6                | 84 6                    | 86 6            |
| Wheelmaking Machinists           | 104 0                      | 99 0                      | 96 3        | 98 0                | 97 0                    | 99 0            |
| Wheelwrights ..                  | 104 0                      | 99 0                      | 96 3        | 98 0                | 97 0                    | 99 0            |
| <b>Coachmaking—Axlemaking. §</b> |                            |                           |             |                     |                         |                 |
| Centre Turners ..                | 104 0                      | 99 0                      | 96 3        | 98 0                | 97 0                    | 99 0            |
| Faceplate Workers ..             | 104 0                      | 99 0                      | 96 3        | 98 0                | 97 0                    | 99 0            |

\* Ruling or predominant rates, see note at top of page 188. † Melbourne rates from 1st January, 1921. ‡ Piece-work rates. § Melbourne, Brisbane, Adelaide, Perth and Hobart rates from 1st January, 1921.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.



## GROUP VI.—OTHER MANUFACTURING—continued.

| Industry and Occupation.         | Sydney.      |           | Melbourne.  |    | Brisbane. |    | Adelaide.    |    | Perth.    |    | Hobart.    |    |
|----------------------------------|--------------|-----------|-------------|----|-----------|----|--------------|----|-----------|----|------------|----|
|                                  | s.           | d.        | s.          | d. | s.        | d. | s.           | d. | s.        | d. | s.         | d. |
| <b>Manures—Artificial.</b>       |              |           |             |    |           |    |              |    |           |    |            |    |
| Acid Retortmen .. ..             | 85/          | 87/6      | 87          | 0  | ..        |    | 87           | 0  | 82        | 6  | ..         |    |
| Bagging Men .. ..                | 85           | 0         | 81          | 0  | ..        |    | 81           | 0  | 79        | 6  | ..         |    |
| Bin Workers .. ..                | 85           | 6         | 81          | 0  | ..        |    | 81           | 0  | 79        | 6  | ..         |    |
| Bone Mill Feeders .. ..          | ..           |           | 81          | 0  | ..        |    | 81           | 0  | 79        | 6  | ..         |    |
| Chamber Burners .. ..            | 87           | 6         | 87          | 0  | ..        |    | 87           | 0  | 82        | 6  | ..         |    |
| Crushers and Mixers .. ..        | 85           | 0         | 87          | 0  | ..        |    | 87           | 0  | 82        | 6  | ..         |    |
| Labourers .. ..                  | 85           | 0         | 81          | 0  | ..        |    | 81           | 0  | 79        | 6  | ..         |    |
| <b>Masonry—Marble and Stone†</b> |              |           |             |    |           |    |              |    |           |    |            |    |
| Carvers .. ..                    | 140          | 11        | 151         | 9  | 110       | 0  | 107          | 0  | 108       | 0* | ..         |    |
| Machinists—Carborundum ..        | 94/2 & 100/7 |           | 108         | 0  | 110       | 0  | 87           | 0  | 102       | 0* | ..         |    |
| Other .. ..                      | ..           |           | 120         | 0  | 110       | 0  | 87           | 0  | 102       | 0* | ..         |    |
| Masons .. ..                     | 112          | 6         | 118         | 9  | 110       | 0  | 95           | 0  | 108       | 0* | 82         | 6  |
| Polishers—                       |              |           |             |    |           |    |              |    |           |    |            |    |
| Machine-Granite .. ..            | 99           | 0         | 108         | 0  | 93        | 6  | 83           | 0  | 102       | 0* | ..         |    |
| Marble .. ..                     | 99           | 0         | 108         | 0  | 93        | 6  | 83           | 0  | 102       | 0* | ..         |    |
| Other Granite .. ..              | 99           | 0         | 99          | 0  | 93        | 6  | 83           | 0  | 102       | 0* | ..         |    |
| Marble .. ..                     | 99           | 0         | 99          | 0  | 93        | 6  | 83           | 0  | 102       | 0* | ..         |    |
| <b>Masonry—Monumental†</b>       |              |           |             |    |           |    |              |    |           |    |            |    |
| Carvers .. ..                    | 121          | 5½        | 126         | 6  | 110       | 0  | 107          | 0  | 108       | 0* | 82         | 6  |
| Fixers .. ..                     | 116          | 6         | 96          | 0  | 110       | 0  | 91           | 0  | 102       | 0* | 82         | 6  |
| Labourers .. ..                  | 98           | 0         | 96          | 0  | 93        | 6  | 75           | 0  | 90        | 0* | 71         | 6  |
| Letter Cutters .. ..             | 108          | 7½        | 118         | 9  | 110       | 0  | 99           | 0  | 108       | 0* | 82         | 6  |
| Masons .. ..                     | 106          | 9½        | 118         | 9  | 110       | 0  | 95           | 0  | 108       | 0* | 82         | 6  |
| <b>Opticians.</b>                |              |           |             |    |           |    |              |    |           |    |            |    |
| Journeyman .. ..                 | 119          | 8 to 111/ | 8           | 82 | 0         |    | 185/ to 97/6 |    | 96        | 0  | ..         |    |
| <b>Paper Bag Making.</b>         |              |           |             |    |           |    |              |    |           |    |            |    |
| Gullotine Cutters .. ..          | 85           | 0         | 87          | 6  | 91        | 0  | 93           | 0  | 99        | 0  | ..         |    |
| Machinists .. ..                 | ..           |           | 87/6 & 92/6 |    | 91        | 0  | 79/ to 93/   |    | 99        | 0  | ..         |    |
| <b>Paper Making.</b>             |              |           |             |    |           |    |              |    |           |    |            |    |
| Beatermen .. ..                  | 97           | 0         | 96          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Assistant .. ..                  | 85           | 0         | 75          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Breakermen .. ..                 | 85           | 0         | 81          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Cutters .. ..                    | 85           | 0         | 78/ & 81/   |    | ..        |    | ..           |    | ..        |    | ..         |    |
| Gullotine Men .. ..              | 85           | 0         | 78          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Machinists .. ..                 | 97           | 0         | 99          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Assistant .. ..                  | 85           | 0         | 75          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Packers .. ..                    | 85           | 0         | 75          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Ragboltermen .. ..               | 85           | 0         | 78          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Rippers .. ..                    | 85           | 0         | 78          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| Other Adults .. ..               | 85           | 0         | 75          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| <b>Pollish Making.</b>           |              |           |             |    |           |    |              |    |           |    |            |    |
| Foremen .. ..                    | ..           |           | 80          | 6  | ..        |    | 80           | 6  | ..        |    | ..         |    |
| Grinders .. ..                   | ..           |           | 80          | 6  | ..        |    | 80           | 6  | ..        |    | ..         |    |
| Millhands .. ..                  | ..           |           | 80          | 6  | ..        |    | 80           | 6  | ..        |    | ..         |    |
| Mixers .. ..                     | ..           |           | 80          | 6  | ..        |    | 80           | 6  | ..        |    | ..         |    |
| Other Adults .. ..               | ..           |           | 78          | 0  | ..        |    | 78           | 0  | ..        |    | ..         |    |
| <b>Portmanteau Making.†</b>      |              |           |             |    |           |    |              |    |           |    |            |    |
| Journeyman .. ..                 | 90           | 0         | 90          | 0  | 90        | 0  | 90           | 0  | 90        | 0  | 90         | 0- |
| <b>Potteries—General.</b>        |              |           |             |    |           |    |              |    |           |    |            |    |
| Burners—Head .. ..               | 95           | 0         | 87          | 0  | 84        | 0  | 80           | 0* | ..        |    | 84         | 0  |
| Assistant .. ..                  | 90/ & 92/6   |           | 84          | 0  | 84        | 0  | 69           | 0* | ..        |    | 78         | 0  |
| Hollow-ware Pressers .. ..       | 100          | 0         | 85          | 0  | 77        | 0  | ..           |    | ..        |    | 84         | 0  |
| Labourers .. ..                  | 90           | 0         | 82          | 0  | 77        | 0  | 63/ to 69/   |    | ..        |    | 78         | 0  |
| Sagger Makers .. ..              | 92           | 6         | 84          | 0  | ..        |    | 63/ to 69/   |    | ..        |    | 84         | 0  |
| Sanitary Pressers .. ..          | 105          | 0         | 86          | 0  | 77        | 0  | ..           |    | ..        |    | 84         | 0  |
| Throwers—1st Class .. ..         | 105          | 0         | 92          | 0  | 91        | 8  | 80/ & 90/    |    | ..        |    | 87         | 0  |
| 2nd Class .. ..                  | ..           |           | 82/ & 86/   |    | 84        | 4  | ..           |    | ..        |    | 81         | 0  |
| Turners .. ..                    | 97           | 0         | 85          | 0  | ..        |    | ..           |    | ..        |    | ..         |    |
| <b>Potteries—Pipemaking.</b>     |              |           |             |    |           |    |              |    |           |    |            |    |
| Burners—Head .. ..               | 100          | 0         | 87          | 0  | 90        | 0  | 80           | 0* | 80        | 0  | 84         | 0  |
| Assistant .. ..                  | ..           |           | 84          | 0  | 84        | 0  | ..           |    | 66        | 0  | 78         | 0  |
| Drawers .. ..                    | 95           | 0         | 82          | 0  | 77        | 0  | 69           | 0* | 66        | 0  | ..         |    |
| Junction Stickers .. ..          | 97           | 0         | 84          | 0  | 77        | 0  | ..           |    | 72        | 0  | 79         | 6  |
| Moulders .. ..                   | 102          | 0         | 85          | 6  | 77        | 0  | ..           |    | 80        | 0  | 78/ & 79/6 |    |
| Mould Makers .. ..               | 95           | 0         | 92          | 0  | 78        | 10 | 75           | 0* | 78        | 0  | ..         |    |
| Setters .. ..                    | 99           | 0         | 85          | 0  | 77        | 0  | ..           |    | 66/ & 80/ |    | 79         | 6  |

\* Ruling or predominant rates, see note at top of page 188. † Melbourne rates from 17th January, 1921. ‡ Hours of labour per week; 48 (daylight), 45 (artificial light).

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP VI.—OTHER MANUFACTURING—continued.

| Industry and Occupation.                            | Sydney.    |    | Melbourne. |    | Brisbane.    |    | Adelaide.   |    | Perth. |    | Hobart.     |    |
|---|------------|----|------------|----|--------------|----|-------------|----|--------|----|-------------|----|
|   | s.         | d. | s.         | d. | s.           | d. | s.          | d. | s.     | d. | s.          | d. |
| <b>Potteries—Tile Making, (other than Roofing).</b> |            |    |            |    |              |    |             |    |        |    |             |    |
| Labourers .. ..                                     | 85         | 0  | 82         | 0  | 677          | 0  | ..          | .. | ..     | .. | 78          | 0  |
| Moulders or Pressers ..                             | 97/ & 102/ |    | 85         | 6  | 677          | 0  | ..          | .. | ..     | .. | 78/ to 84/  |    |
| Setters—Head .. ..                                  | 99         | 0  | 85         | 6  | 677          | 0  | ..          | .. | ..     | .. | ..          |    |
| Other .. ..   | 99         | 0  | 85         | 6  | 677          | 0  | ..          | .. | ..     | .. | 79          | 6  |
| <b>Quarrying.†</b>                                  |            |    |            |    |              |    |             |    |        |    |             |    |
| Borers—Hand or Machine                              | 6100       | 6  | 693        | 0  | 686          | 2  | 93          | 0  | 86     | 0  | 88          | 0  |
| Assistant .. ..                                     | 92         | 6  | 684        | 0  | 680          | 2  | 87          | 0  | ..     | .. | 81          | 0  |
| Dressers .. ..                                      | 6107       | 0  | 6100       | 0  | 680          | 2  | 84          | 0  | ..     | .. | 81          | 0  |
| Facemen .. ..                                       | 102        | 6  | 693        | 0  | 686          | 2  | 84          | 0  | ..     | .. | 78          | 0  |
| Gutters .. ..                                       | 6112       | 6  | ..         | .. | 689          | 10 | ..          | .. | ..     | .. | 84          | 0  |
| Hammermen .. ..                                     | 98         | 6  | 6100       | 0  | 686          | 2  | 87          | 0  | 86     | 0  | 84          | 0  |
| Labourers or Strippers ..                           | 92         | 6  | 684        | 0  | 680          | 2  | 84          | 0  | 80     | 0  | 78          | 0  |
| Loaders, Pluggers or Trucks .. ..                   | 92         | 6  | 684        | 0  | 80           | 2  | 84          | 0  | 80     | 0  | 78          | 0  |
| Machine Feeders .. ..                               | 104        | 6  | 687        | 0  | 685          | 8  | 84          | 0  | 86     | 0  | 81          | 0  |
| Quarrymen .. ..                                     | 6107       | 0  | ..         | .. | 689          | 10 | 87          | 0  | 86     | 0  | 88/ to 102/ |    |
| Spallers .. ..                                      | 96         | 6  | 693        | 0  | 684          | 4  | 87          | 0  | 83     | 0  | 84          | 0  |
| <b>Rope Making.</b>                                 |            |    |            |    |              |    |             |    |        |    |             |    |
| Clothes Line Lappers ..                             | 85         | 0  | 63         | 0  | 77           | 0  | ..          | .. | ..     | .. | ..          |    |
| Feeders for First Spreader                          | 88         | 0  | 66         | 0  | 77           | 0  | 78          | 0  | ..     | .. | ..          |    |
| Foremen—Head .. ..                                  | 100        | 0  | ..         | .. | 85           | 0  | 85          | 0  | ..     | .. | ..          |    |
| Jenny .. ..   | 97         | 0  | ..         | .. | 78           | 0  | 80          | 0  | ..     | .. | ..          |    |
| Knockers Out and Dampers                            |            |    |            |    |              |    |             |    |        |    |             |    |
| Down .. ..  | 85         | 0  | 63         | 0  | 77           | 0  | 75          | 0  | ..     | .. | ..          |    |
| Oilers .. ..  | 85         | 0  | 66         | 0  | ..           | .. | 75          | 0  | ..     | .. | ..          |    |
| Packers .. ..                                       | 88         | 0  | 63         | 0  | 77           | 0  | 75          | 0  | ..     | .. | ..          |    |
| Reelers—Hand .. ..                                  | 85         | 0  | 64         | 0  | 77           | 0  | 75/ & 78/   |    | ..     | .. | ..          |    |
| Steam .. ..   | 85/ & 88/  |    | 67         | 0  | 77           | 0  | 82          | 0  | ..     | .. | ..          |    |
| <b>Rubber Working.†</b>                             |            |    |            |    |              |    |             |    |        |    |             |    |
| Calender Hands .. ..                                | 97         | 6  | 100        | 6  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Compound Weighers ..                                | 86         | 6  | 88         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Cycle Tyre Makers ..                                | 86         | 6  | 85         | 3  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Dough Mixers .. ..                                  | 86         | 6  | 88         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Forcing Machinists ..                               | 86         | 6  | 84         | 3  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Heaters .. ..                                       | 86         | 6  | 86         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Hosemakers .. ..                                    | 86         | 6  | 88         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Mechanical Lathe Hands                              | 86         | 6  | 88         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Mill Hands .. ..                                    | 89         | 6  | 92         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Moulders—Other .. ..                                | 86         | 6  | 86         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Press Hands .. ..                                   | 86         | 6  | 86         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Spreaders .. ..                                     | 86         | 6  | 88         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Surgical, Packing and other Makers .. ..            | 86         | 6  | 88         | 0  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Textile Cutters .. ..                               | 85         | 0  | 85         | 3  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Tube Repairers .. ..                                | 86         | 6  | 88         | 0  | 679          | 9  | 65/ to 75/* |    | ..     | .. | ..          |    |
| „ Joiners .. ..                                     | 85         | 0  | 85         | 3  | 679          | 9  | 65/ to 75/* |    | ..     | .. | ..          |    |
| Tyre Moulders .. ..                                 | 97         | 6  | 108        | 6  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| Vulcanisers .. ..                                   | 85         | 0  | 86         | 0  | 679          | 9  | 65/ to 75/* |    | ..     | .. | ..          |    |
| Wrappers .. ..                                      | 85         | 0  | 85         | 3  | 679          | 9  | 65/ to 75/* |    | ..     | .. | ..          |    |
| Other Adults .. ..                                  | 85         | 0  | 84         | 3  | ..           | .. | ..          | .. | ..     | .. | ..          |    |
| <b>Saddlery and Harnessmaking.</b>                  |            |    |            |    |              |    |             |    |        |    |             |    |
| Collarmakers .. ..                                  | 90         | 0  | 90         | 0  | 90           | 0  | 90          | 0  | 95     | 0  | 90          | 0  |
| Harnessmakers .. ..                                 | 90         | 0  | 90         | 0  | 90           | 0  | 90          | 0  | 90     | 0  | 90          | 0  |
| Machinists .. ..                                    | 90         | 0  | 90         | 0  | 90           | 0  | 90          | 0  | 90     | 0  | 90          | 0  |
| Saddlers .. ..                                      | 90         | 0  | 90         | 0  | 90           | 0  | 90          | 0  | 90     | 0  | 90          | 0  |
| <b>Sail Making.§</b>                                |            |    |            |    |              |    |             |    |        |    |             |    |
| Sailmakers .. ..                                    | 103        | 0  | 100        | 0  | 699          | 0  | 84          | 0  | 6100   | 0* | ..          |    |
| <b>Ship Building.</b>                               |            |    |            |    |              |    |             |    |        |    |             |    |
| Carpenters and Joiners                              | 102        | 0  | 699        | 0  | ..           | .. | 91          | 6* | ..     | .. | 108         | 0* |
| Dockers .. ..                                       | 108        | 0  | 108        | 0  | 699          | 0  | 108         | 0  | ..     | .. | ..          |    |
| Painters .. ..                                      | 108        | 0  | 108        | 0  | 699          | 0  | 108         | 0  | ..     | .. | ..          |    |
| Shipwrights—New Work                                | 120        | 0  | 6110       | 0  | 6110         | 0  | 120         | 0  | 120    | 0  | 108         | 0* |
| Old Work .. ..                                      | 120        | 0  | 6110       | 0  | 6110         | 0  | 120         | 0  | 120    | 0  | 108         | 0* |
| <b>Soap Making.</b>                                 |            |    |            |    |              |    |             |    |        |    |             |    |
| Foremen .. ..                                       | 85         | 0  | 85         | 0  | 82           | 0  | 85          | 0  | ..     | .. | 80          | 0* |
| General Hands .. ..                                 | 85         | 0  | 78         | 0  | 77           | 0  | 78          | 0  | 78     | 0* | ..          |    |
| Mixers .. ..  | 85         | 0  | 83         | 0  | 77           | 0  | 83          | 0  | 78     | 0* | ..          |    |
| Soap Makers .. ..                                   | 89         | 0  | ..         | .. | 77           | 0  | ..          | .. | 78     | 0* | ..          |    |
| „ Assistant .. ..                                   | 85         | 0  | 87         | 0  | 77           | 0  | 87          | 0  | ..     | .. | ..          |    |
| <b>Tallow Making.</b>                               |            |    |            |    |              |    |             |    |        |    |             |    |
| Tallowmen .. ..                                     | 96         | 6  | 90         | 0  | 6102/to 105/ |    | 84          | 0  | 70     | 0  | ..          |    |

\* Ruling or predominant rates, see note at top of page 188. † Melbourne and Brisbane rates from 2nd and 3rd January, 1921, respectively. ‡ Hours in Melbourne 4½ and 48 hours. § Melbourne rates from 22nd January, 1921. || Rates taken from Meat Export Award.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP VI.—OTHER MANUFACTURING—continued.

| Industry and Occupation.           | Sydney. |    | Melbourne. |    | Brisbane. |    | Adelaide. |    | Perth. |    | Hobart. |    |
|------------------------------------|---------|----|------------|----|-----------|----|-----------|----|--------|----|---------|----|
|                                    | s.      | d. | s.         | d. | s.        | d. | s.        | d. | s.     | d. | s.      | d. |
| <b>Tanning and Currying.†</b>      |         |    |            |    |           |    |           |    |        |    |         |    |
| Beamsmen .. ..                     | 96      | 6  | 94         | 6  | 94        | 6  | 94        | 6  | 94     | 6  | 94      | 6  |
| Curriers .. ..                     | 101     | 6  | 99         | 6  | 99        | 6  | 99        | 6  | 99     | 6  | 99      | 6  |
| Fancy Leather Finishers            | 91      | 6  | 89         | 6  | 89        | 6  | 89        | 6  | 89     | 6  | 89      | 6  |
| Japanners or Enamellers            | 94      | 6  | 92         | 6  | 92        | 6  | 92        | 6  | 92     | 6  | 92      | 6  |
| Jiggers and Grainers—              |         |    |            |    |           |    |           |    |        |    |         |    |
| Bookbinding Leather                | 94      | 6  | 92         | 6  | 92        | 6  | 92        | 6  | 92     | 6  | 92      | 6  |
| Labourers .. ..                    | 87      | 6  | 85         | 6  | 85        | 6  | 85        | 6  | 85     | 6  | 85      | 6  |
| Limemen and Yardmen                | 88      | 6  | 86         | 6  | 86        | 6  | 86        | 6  | 86     | 6  | 86      | 6  |
| <b>Machinists—</b>                 |         |    |            |    |           |    |           |    |        |    |         |    |
| Fleshing .. ..                     | 96      | 6  | 94         | 6  | 94        | 6  | 94        | 6  | 94     | 6  | 94      | 6  |
| Scouring .. ..                     | 89      | 6  | 87         | 6  | 87        | 6  | 87        | 6  | 87     | 6  | 87      | 6  |
| Scudding .. ..                     | 91      | 6  | 89         | 6  | 89        | 6  | 89        | 6  | 89     | 6  | 89      | 6  |
| Shaving .. ..                      | 98      | 6  | 96         | 6  | 96        | 6  | 96        | 6  | 96     | 6  | 96      | 6  |
| Splitting .. ..                    | 101     | 6  | 99         | 6  | 99        | 6  | 99        | 6  | 99     | 6  | 99      | 6  |
| Unhairing .. ..                    | 91      | 6  | 89         | 6  | 89        | 6  | 89        | 6  | 89     | 6  | 89      | 6  |
| Whitening .. ..                    | 98      | 6  | 96         | 6  | 96        | 6  | 96        | 6  | 96     | 6  | 96      | 6  |
| Other .. ..                        | 89      | 6  | 87         | 6  | 87        | 6  | 87        | 6  | 87     | 6  | 87      | 6  |
| Rollers and Strikers ..            | 93      | 6  | 91         | 6  | 91        | 6  | 91        | 6  | 91     | 6  | 91      | 6  |
| Tablemen .. ..                     | 91      | 6  | 89         | 6  | 89        | 6  | 89        | 6  | 89     | 6  | 89      | 6  |
| <b>Tent and Tarpaulin Making.‡</b> |         |    |            |    |           |    |           |    |        |    |         |    |
| Cutters—1st Hand ..                | 103     | 0  | 100        | 0  | 99        | 0  | 84        | 0  | ..     |    | 12s90   | 0* |
| 2nd Hand .. ..                     | 103     | 0  | 78         | 0  | 90        | 0  | ..        |    | ..     |    | 12s80   | 0* |
| Dressers .. ..                     | 103     | 0  | 78         | 0  | ..        |    | ..        |    | ..     |    | ..      |    |
| Machinists .. ..                   | 103     | 0  | 78         | 0  | 90        | 0  | 84        | 0  | ..     |    | ..      |    |
| Sewers—Hand .. ..                  | 103     | 0  | 85         | 0  | 85        | 6  | 84        | 0  | ..     |    | ..      |    |
| Tent Makers .. ..                  | 103     | 0  | 85         | 0  | 90        | 0  | 84        | 0  | 90     | 0* | ..      |    |
| <b>Wickerworking.</b>              |         |    |            |    |           |    |           |    |        |    |         |    |
| Bamboo or Wickerworkers            | 105     | 0  | 87         | 6  | 99        | 0  | 82        | 6  | 101    | 0  | 90      | 0  |
| Basket Makers & Repairers          | 109     | 0  | 87         | 6  | 92/ & 95/ |    | 82        | 6  | ..     |    | ..      |    |
| Upholsterers .. ..                 | 104     | 0  | 87         | 6  | 99        | 0  | 82        | 6  | ..     |    | ..      |    |

## GROUP VII.—BUILDING.

|                                      |     |    |     |    |     |   |             |   |            |    |     |    |
|--------------------------------------|-----|----|-----|----|-----|---|-------------|---|------------|----|-----|----|
| <b>Bricklaying.</b>                  |     |    |     |    |     |   |             |   |            |    |     |    |
| Bricklayers—Surface ..               | 108 | 0  | 93  | 6  | 110 | 0 | 88          | 0 | 96         | 0* | 93  | 6  |
| "   Sewer and Tunnel ..              | 114 | 0  | 99  | 0  | 110 | 0 | 88          | 0 | 96         | 0* | 100 | 10 |
| <b>Carpentering.</b>                 |     |    |     |    |     |   |             |   |            |    |     |    |
| Carpenters .. ..                     | 110 | 0  | 102 | 8  | 110 | 0 | 91          | 8 | 108/ & 114 |    | 102 | 0  |
| <b>Joinery.¶</b>                     |     |    |     |    |     |   |             |   |            |    |     |    |
| Machinists—                          |     |    |     |    |     |   |             |   |            |    |     |    |
| 1st Class .. ..                      | 107 | 0  | 101 | 0  | 110 | 0 | 100         | 0 | ..         |    | 105 | 0  |
| 2nd Class .. ..                      | 101 | 0  | 99  | 0  | 102 | 8 | 95          | 0 | ..         |    | 98  | 0  |
| 3rd Class .. ..                      | 96  | 0  | 90  | 0  | 102 | 8 | 89          | 0 | ..         |    | 92  | 0  |
| <b>Labouring—Building.§</b>          |     |    |     |    |     |   |             |   |            |    |     |    |
| Bricklayers' Labourers ..            | 99  | 0  | 82  | 6  | 93  | 6 | 82          | 6 | 84         | 0  | 82  | 6  |
| Carpenters' Labourers ..             | 99  | 0  | 82  | 6  | 93  | 6 | 82          | 6 | 72         | 0  | 82  | 6  |
| Concrete Workers .. ..               | 99  | 0  | 82  | 6  | 99  | 0 | 82          | 6 | 72         | 0  | 82  | 6  |
| Earth Excavators .. ..               | 95  | 0  | 82  | 6  | 93  | 6 | 82          | 6 | 72         | 0  | 82  | 6  |
| Gear Workers .. ..                   | 99  | 0  | 82  | 6  | 93  | 6 | 82          | 6 | 84         | 0  | 82  | 6  |
| Masons' Labourers .. ..              | 99  | 0  | 82  | 6  | 93  | 6 | 82          | 6 | 84         | 0  | 82  | 6  |
| Plasterers' Labourers ..             | 99  | 0  | 82  | 6  | 93  | 6 | 82          | 6 | 84         | 0  | 82  | 6  |
| Scaffold Hands .. ..                 | 99  | 0  | 82  | 6  | 93  | 6 | 82          | 6 | 84         | 0  | 82  | 6  |
| <b>Lathing and Ceiling.</b>          |     |    |     |    |     |   |             |   |            |    |     |    |
| Lathers .. ..                        | 106 | 0* | 99  | 0* | 110 | 0 | 96/ to 105* |   | 96         | 0* | 84  | 0  |
| Metal Ceilings .. ..                 | 85  | 0  | 96  | 3* | 110 | 0 | ..          |   | ..         |    | 102 | 0* |
| <b>Masonry.  </b>                    |     |    |     |    |     |   |             |   |            |    |     |    |
| Masons .. ..                         | 112 | 6  | 118 | 9* | 110 | 0 | 88          | 0 | 108        | 0* | 82  | 6  |
| <b>Painting (House) and Glazing.</b> |     |    |     |    |     |   |             |   |            |    |     |    |
| Glaziers .. ..                       | 104 | 0  | 96  | 3  | 110 | 0 | 79          | 9 | 90         | 0  | 96  | 0  |
| Painters .. ..                       | 104 | 0  | 96  | 3  | 110 | 0 | 79          | 9 | 90         | 0  | 96  | 0  |
| Paperhangers .. ..                   | 104 | 0  | 96  | 3  | 110 | 0 | 79          | 9 | 90         | 0  | 96  | 0  |
| Signwriters .. ..                    | 112 | 0  | 96  | 3  | 110 | 0 | 79          | 9 | 90         | 0  | 96  | 0  |

\* Ruling or predominant rates, see note at top of page 188. † Rates of wage in each capital city from 1st January, 1921. ‡ Melbourne rates from 22nd January, 1921. § The rates of wage quoted for Builders' Labourers for Sydney, Brisbane and Perth are those payable under State Award or Agreement. ¶ The rates quoted for Melbourne, Adelaide and Hobart were awarded by the Commonwealth Court of Conciliation and Arbitration. The rates for Hobart were paid from 1st January, 1921. || Melbourne rates from 17th January, 1921. ¶ Sydney, Melbourne, Adelaide and Hobart hours from 1st January, 1921.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP VII.—BUILDING—continued.

| Industry and Occupation.         | Sydney.    |    | Melbourne.         |    | Brisbane.    |    | Adelaide.    |    | Perth.       |    | Hobart.      |    |
|----------------------------------|------------|----|--------------------|----|--------------|----|--------------|----|--------------|----|--------------|----|
|                                  | s.         | d. | s.                 | d. | s.           | d. | s.           | d. | s.           | d. | s.           | d. |
| <b>Plastering.</b>               |            |    |                    |    |              |    |              |    |              |    |              |    |
| Fibrous Plaster Fixers           | 106        | 0  | 693/6 to 99/       |    | 6110         | 0  | 71/6 & 78/   | †  |              |    |              |    |
| Plasterers—Surface ..            | 106        | 0  | 6110               | 0  | 6110         | 0  | 688          | 0  | 96           | 0* | 108          | 0  |
| „ Sewer or Tunnel                | 110        | 0  | to 118 3<br>6123 9 |    | 6116         | 0  | 6101         | 9  | ..           |    | ..           |    |
|                                  |            |    |                    |    | & 119        | 0  |              |    |              |    |              |    |
| <b>Plumbing and Gasfitting.</b>  |            |    |                    |    |              |    |              |    |              |    |              |    |
| Galvanised Iron Workers          | 110        | 0  | 693                | 6  | 6110         | 0  | 96           | 0  | 104          | 0  | 677/ & 89/10 |    |
| Gasfitters .. ..                 | 110        | 0  | 693                | 6  | 6110         | 0  | 688          | 0  | 104          | 0  | 88           | 0  |
| Plumbers .. ..                   | 110        | 0  | 693                | 6  | 6110         | 0  | 691          | 8  | 104          | 0  | 677/ & 89/10 |    |
| <b>Roofing.</b>                  |            |    |                    |    |              |    |              |    |              |    |              |    |
| Shinglers .. ..                  | 116        | 0  | 6107               | 3  | 6110         | 0  | ..           |    | ..           |    | ..           |    |
| Slaters .. ..                    | 116        | 0  | 6107               | 3  | 6110         | 0  | 684          | 0* | 96           | 0* | 108          | 0* |
| Tilers .. ..                     | 116        | 0  | 6107               | 3  | 6110         | 0  | 684          | 0* | 96           | 0* | 108          | 0* |
| <b>Tile Laying.</b>              |            |    |                    |    |              |    |              |    |              |    |              |    |
| Tile Layers .. ..                | 108        | 0  | †                  |    | 6110         | 0  | 684          | 0* | ..           |    | †            |    |
| <b>Tuckpointing.</b>             |            |    |                    |    |              |    |              |    |              |    |              |    |
| Tuckpointers .. ..               | 85         | 0  | 699                | 0  | 6110         | 0  | 696/ to 105/ | *  | 96           | 0* | 120          | 0* |
| <b>Water Supply and Sewerage</b> |            |    |                    |    |              |    |              |    |              |    |              |    |
| Carpenters .. ..                 | 109        | 0  | 6102               | 8  | ..           |    | 100          | 0* | 695          | 4  | 102          | 0  |
| Concrete Workers                 | 101 & 103/ |    | 694                | 5  | 688/ to 97/2 |    | 78/ & 81/    | *  | 684          | 4  | 81           | 0  |
| Labourers .. ..                  | 95         | 6  | 677                | 11 | 677          | 0  | 75           | 0* | 678          | 10 | 75/ to 81/   |    |
| Miners—Sewer .. ..               | 64 & 105   | 5  | 685/3 & 88/11      |    | 699/ & 104/6 |    | ..           |    | 687          | 1  | 81           | 0  |
|                                  | to 127     | 6  |                    |    |              |    |              |    |              |    |              |    |
| Pipejoints and Setters           | 97/ & 103/ |    | 688                | 11 | 682/6 & 84/4 |    | 84           | 0* | 684/4 & 95/4 |    | 81           | 0  |
| Timbermen .. ..                  | 103 & 109/ |    | ..                 |    | 699          | 0  | 84           | 0* | 687          | 1  | 81           | 0  |
| Toolsharpeners .. ..             | 103        | 0  | 685                | 3  | 89           | 10 | 87           | 0* | 687          | 1  | 84           | 0  |

## GROUP VIII.—MINING.

| Industry and Occupation. | N.S.W.         |    | Victoria.    |    | Q'land.        |    | S. Aust.   |    | W. Aust.      |    | Tasmania.    |    |
|--------------------------|----------------|----|--------------|----|----------------|----|------------|----|---------------|----|--------------|----|
|                          | s.             | d. | s.           | d. | s.             | d. | s.         | d. | s.            | d. | s.           | d. |
| <b>Coal Mining.</b>      |                |    |              |    |                |    |            |    |               |    |              |    |
| Blacksmiths .. ..        | 110/6 to 117/6 |    | 117          | 0  | 121/6 to 134/6 |    | ..         |    | ..            |    | 104/ & 118/6 |    |
| Bracemen .. ..           | 105/6 to 107/6 |    | 113          | 6  | 105/ to 124/6  |    | ..         |    | ..            |    | ..           |    |
| Carpenters .. ..         | 113/6 to 121/6 |    | 113          | 6  | 115/6 to 134/6 |    | ..         |    | ..            |    | 104          | 0  |
| Deputies .. ..           | 129            | 6  | 130          | 0  | 124/6 & 128/   |    | ..         |    | ..            |    | 122 & 123/   |    |
|                          | to 132         | 6  |              |    |                |    |            |    |               |    |              |    |
| <b>Engine Drivers—</b>   |                |    |              |    |                |    |            |    |               |    |              |    |
| Winding and Loco..       | 112/6 to 124/9 |    | 109/ & 117/6 |    | 123/6 to 150/  |    | ..         |    | 124/6 & 127/6 |    | 110 to 121/6 |    |
| Other .. ..              | 105/6 to 116/  |    | 109          | 0  | 105/6 to 138/  |    | ..         |    | ..            |    | ..           |    |
| <b>Labourers—Surface</b> | 99             | 0  | 99           | 0  | 99/ to 117/6   |    | ..         |    | ..            |    | 99/ & 100/6  |    |
| Underground              | 99/ to 105/6   |    | 99           | 0  | 101/ to 120/6  |    | ..         |    | 99            | 0  | 99/ & 100/6  |    |
| <b>Miners—</b>           |                |    |              |    |                |    |            |    |               |    |              |    |
| Machine .. ..            | †              |    | †            |    | †              |    | Not Mined. |    | †             |    | †            |    |
| Manual—Dry Work..        | †              |    | †            |    | †              |    |            |    | †             |    | †            |    |
| Wet Work..               | †              |    | †            |    | †              |    |            |    | †             |    | †            |    |
| Platmen or Banksmen      | 105/6 to 109/  |    | 113          | 6  | 99/ to 120/6   |    |            |    | 109           | 0  | 100          | 6  |
| Shaftsinkers—Dry Work    | 104/3 to 123/6 |    | 126          | 0  | 124/6-142/6    |    |            |    | ..            |    | ..           |    |
| Wet Work                 | 107/8 to 123/6 |    | 132          | 0  | 133/9-151/9    |    |            |    | ..            |    | ..           |    |
| Shiftmen—Dry Work ..     | 99/ to 126/6   |    | 113          | 6  | 116/6-134/6    |    |            |    | 119           | 6  | 116/6 & 120/ |    |
| Wet Work .. ..           | 99/ to 126/6   |    | 119          | 6  | 125/9-143/9    |    |            |    | ..            |    | ..           |    |
| Shotfirers .. ..         | 123/6 to 129/6 |    | ..           |    | 116/6 & 134/6  |    |            |    | 119           | 6  | ..           |    |
| Shovellers .. ..         | 99/ to 105/6   |    | 99           | 0  | ..             |    |            |    | 110           | 0  | ..           |    |
| Skiprepairers .. ..      | 99/ to 106/6   |    | 99           | 0  | ..             |    |            |    | ..            |    | 104          | 0  |
| Strikers .. ..           | 99/ to 102/    |    | 99           | 0  | ..             |    |            |    | ..            |    | ..           |    |
| Timbermen .. ..          | 102/ to 119/   |    | 126          | 0  | 116/6 & 134/6  |    |            |    | 109           | 0  | ..           |    |
| Weighmen .. ..           | 109/ to 112/6  |    | 120          | 0  | ..             |    |            |    | ..            |    | 111          | 0  |
| Whealers .. ..           | 103/6 to 109/  |    | 105          | 6  | 105/6-126/6    |    |            |    | 109/6 & 115/6 |    | 100          | 6  |

\* Ruling or predominant rates, see note at top of page 188. † Piece-work rates. ‡ 44 and 48 hours per week. ¶ The hours of labour for coal miners in the Commonwealth were fixed by a special tribunal appointed under the War Precautions Act as follows:—Eight hours bank to bank inclusive of one half hour for meal time, on Monday, Tuesday, Wednesday, Thursday and Friday, and six hours bank to bank, inclusive of one half hour for meal time on Saturday, Sundays and holidays. The customary number of shifts per fortnight is eleven, the collieries not working on pay Saturday. An industrial agreement registered under the State Arbitration Act in Western Australia provides that no person shall be employed below ground in coal mines for more than seven consecutive hours in twenty-four hours, or for more than forty-two hours in any week. The wages for Victoria are those paid at the State Coal Mine, Wonthaggi.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.



## GROUP VIII.—MINING—continued.

| Industry and Occupation.                   | N.S.W.       | Victoria.   | Q'land.      | S. Aust.    | W. Aust.      | Tasmania.    |
|--|--------------|-------------|--------------|-------------|---------------|--------------|
|  | s. d.        | s. d.       | s. d.        | s. d.       | s. d.         | s. d.        |
| <b>Gold and Other Mining—Except Coal.†</b> |              |             |              |             |               |              |
| Battery Feeders ..                         | 85/ to 96/   | 69/ to 73/6 | 85/ to 96/3  | ..          | 94/6to106/6   | 72/ to 81/   |
| Bracemen ..                                | 85/ to 96/   | 74/ to 78/6 | 81/5to101/9  | 79 6        | 94/6to115/6   | 75/ to 81/   |
| Engine Drivers—Stationary                  | 97/ to 102/  | 78/ to 96/  | 83/6 to 121/ | 81/ to 90/  | 106/ to 129/6 | 82 6 to 91/6 |
| Winding & Loco. ..                         | 103/ to 120/ | 90/ & 99/   | 90/ to 132/  | 87/ & 90/   | 115/6to133/   | 85/6to 110/  |
| Firemen ..                                 | 88/ to 98/   | 75/ to 87/  | 83/6to106/4  | 75/ to 81/  | 102/ to 118/6 | 78/6 to 82/6 |
| Labourers ..                               | 85/ to 90/   | 69/ to 73/6 | 80/6 to 96/3 | 75/ & 78/   | 91/6to109/6   | 72/ to 81/   |
| Miners—Machine ..                          | 91/ to 99/   | 75/ to 91/6 | 88/ to 110/  | †           | 101/6-126/6   | 75/ to 102/  |
| Manual—Dry Work                            | 91/ to 99/   | 78/ to 89/6 | 88/ to 101/9 | †           | 96/6to121/6   | 78/ to 102/  |
| Wet Work                                   | 97/ to 105/  | 84/ to 95/6 | 95/4 to 110/ | †           | 103/6-130/6   | 84/ to 108/  |
| Platmen ..                                 | 88/ to 96/   | 74/ to 78/6 | 81/5to101/9  | 79 6        | 94/6to115/6   | 75/ to 81/   |
| Shaft Sinkers—Dry Work                     | 94/ to 99/   | 84/ to 91/6 | 91/ to 110/  | †           | 103/6-126/6   | 81/ to 102/  |
| Wet Work                                   | 100/ to 105/ | 90/ to 97/6 | 91/ to 110/  | †           | 110/6-135/6   | 87/ to 108/  |
| Shift Bosses ..                            | ..           | 79/ to 89/6 | 115/6to120/  | 96/ to 108/ | ..            | ..           |
| Timbermen ..                               | 92 6 to 105/ | 79/6 to 89/ | 94/5 to 110/ | 87/ & 96/   | 103/6-126/6   | 79/6 to 96/  |

## GROUP IX.—RAILWAY AND TRAMWAY TRANSPORT.

| Industry and Occupation.                | Sydney.      | Melbourne   | Brisbane.    | Adelaide.   | Perth.    | Hobart.    |
|---|--------------|-------------|--------------|-------------|-----------|------------|
|   | s. d.        | s. d.       | s. d.        | s. d.       | s. d.     | s. d.      |
| <b>Railways.†</b>                       |              |             |              |             |           |            |
| Engine Drivers (Loco.)—††               |              |             |              |             |           |            |
| 1st Class ..                            | 133 0        | 123 0       | 114/ to 124/ | 117 0       | 178 0     | 105 0      |
| 2nd Class ..                            | 127 0        | 114/ & 117/ | 108/ to 118/ | 112 6       | 126 0     | 102 0      |
| 3rd Class ..                            | 121 0        | 108/ & 111/ | 102/ to 112/ | 108 0       | 118 0     | 99 0       |
| 4th Class ..                            | 115 0        | 102/ & 105/ | 96/ to 106/  | 105 0       | 110 0     | 96 0       |
| 5th Class ..                            | 109 0        | ..          | 96/ to 106/  | ..          | 104 0     | 90/ & 93/  |
| Firemen—1st Class††                     | 103 0        | 96 0        | 89/ to 99/   | 97 6        | 98 0      | 84 0       |
| 2nd Class††                             | 97 0         | 93 0        | 89/ to 99/   | 93 0        | 92 0      | 81 0       |
| 3rd Class††                             | 91 0         | 87/ & 90/   | 83/ to 93/   | 90 0        | 86 0      | 75/ & 78/  |
| Guards—1st Class                        | 100/ to 106/ | 105 0       | 109/ to 119/ | 96 0        | 104 0     | 94/6 & 96/ |
| 2nd Class                               | 94/ to 100/  | 93/ to 102/ | 100/ to 110/ | 84/ & 93/   | 101 0     | 87/ & 90/  |
| 3rd Class                               | 91/ to 94/   | 87/ to 93/  | 94/ to 104/  | 81 0        | 95/ & 98/ | 81/ & 84/  |
| Porters ..                              | 85/ to 94/   | 81/ to 96/  | 80/ to 94/   | 75 0        | 80/ & 83/ | 66/ to 78/ |
| Shunters—1st Class                      | 107/6-116/6  | 105 0       | 108/ to 118/ | 90 0        | 92 0      | 81 0       |
| 2nd Class                               | 98 6 to 109/ | 99 0        | 102 to 112/  | 87 0        | 86 0      | 78 0       |
| 3rd Class                               | 94 0         | 93 0        | 98/ to 108/  | 84 0        | ..        | ..         |
| Ordinary ..                             | 94 0         | 87/ & 90/   | 90/ to 100/  | 81 0        | 86 0      | ..         |
| Signalmen—Special                       | ..           | 105 0       | 102/ to 110/ | 96/ & 105/  | 107 0     | ..         |
| 1st Class ..                            | 112/ & 115/  | 99 0        | 100/ to 110/ | 93 0        | 98 0      | 78/ & 81/  |
| 2nd Class ..                            | 109 0        | 96 0        | 95/ to 105/  | 90 0        | 95 0      | 72/ & 75/  |
| 3rd Class ..                            | 106 0        | 93 0        | 89/ to 99/   | 84 0        | 92 0      | ..         |
| 4th Class ..                            | 94/ to 103/  | 87/ & 90/   | 84/ to 94/   | 81 0        | 83/ & 86/ | ..         |
| <b>Tramways—Electric &amp; Cable;††</b> |              |             |              |             |           |            |
| Car Washers or Cleaners                 | 85 0         | 91 0        | 684 4        | 85 6        | 86 0      | 90 0       |
| Conductors—1st Year ..                  | 88 0         | 91 0        | 77/ & 80/    | 87/6 & 89/8 | 88/ & 95/ | 87 0       |
| 2nd Year ..                             | 91 0         | 94 0        | 80/ & 85/    | 89 6        | 95 0      | 90 0       |
| 3rd Year ..                             | 94 0         | 97 0        | 85/ & 95/    | 93/6 & 95/6 | 95 0      | 93 0       |
| Firemen—Four Fires                      | 98 0         | 103 0       | 89/6 & 90/   | 95 0        | 96 0*     | ..         |
| Less than 4 fires                       | 91/ to 98/   | 100 0       | 88/ & 90/    | ..          | 93 0*     | ..         |
| Horse Drivers ..                        | 85 0         | 91 0        | 92 0         | 92 6        | 90 0      | 82 0       |
| Labourers ..                            | 85 0         | 87/ to 91/  | 77 0         | 85 6        | 86 0      | 87/ & 90/  |
| Lamp Trimmers ..                        | 85 0         | 94 0        | ..           | ..          | ..        | ..         |
| Maintenance Men ..                      | 85 0         | 94 0        | 684 4        | 86 6        | 90 0      | 93 0       |
| Motormen or Gripmen—                    |              |             |              |             |           |            |
| 1st Year ..                             | 94 0         | 91 0        | 77/ & 80/    | 89 6        | 95 0      | 90 0       |
| 2nd Year ..                             | 97 0         | 94 0        | 80/ & 85/    | 92 6        | 95 0      | 93 0       |
| 3rd Year ..                             | 100 0        | 97 0        | 85/ & 95/    | 95 6        | 95 0      | 96 0       |
| Night Watchmen ..                       | 85 0         | 91 0        | **80 0       | 85 6        | 100 0**   | 87 0       |
| Overhead Wiremen—                       |              |             |              |             |           |            |
| Leading ..                              | 99/ & 105/   | 100 0       | 6110 0       | 96 6        | 108 0     | 96 0       |
| Other ..                                | 90/ & 96/    | 97 0        | 696 3        | 89 6        | 98 0      | 93 0       |
| Pitmen ..                               | 100 0        | 103/ & 106/ | 680/8 & 89/  | 89/6 & 92/6 | 95 0      | 102 0      |
| Signalmen ..                            | 100/ to 106/ | 100/ & 103/ | 85/ & 88/    | 95/6 & 98/6 | ..        | ..         |
| Tower Wagon Drivers—                    |              |             |              |             |           |            |
| Horse ..                                | 18-2501 0    | 91 0        | 82 0         | 92 6        | 90 0      | 82 0       |
| Motor ..                                | 100 0        | 97 0        | ..           | 95 6        | 95 0      | 96 0       |
| Track Cleaners ..                       | 85 0         | 91 0        | 77 0         | 86 6        | 100 0     | 90 0       |
| Trimmers or Fuelmen ..                  | 88 0         | ..          | 84 0         | 86/ & 89/   | 86 0*     | ..         |

\* Ruling or predominant rates, see note at top of page 188. † Contract work. ‡ West Australian rates from 1st January, 1921. § The number of hours constituting a full week's work in the mining industry is as follows:—N.S.W.—Broken Hill—Underground workers, 35 hours; surface workers, 44 hours. Other Districts—Underground workers, 44 hours; surface workers, 48 hours. Victoria, W. Australia and Tasmania—Miners and others underground, 44 hours; engine-drivers and workers aboveground, 48 hours. Queensland—Central Division—Miners and others underground work three shifts of 48, 44 and 40 hours each week, payment to be made as though 48 hours had been worked each week; engine drivers and others above ground, 48 hours. Mt. Perry—Miners, etc., 46 hours. Other Districts—Miners, etc., 44 hours. South Australia—Miners and others underground, 44 hours day shift, 40 hours night shift; engine-drivers and others above ground, 48 hours. || The hours of labour for railway employees are 48 per week (in New South Wales and Victoria 96 per

[For continuation of footnote see next page.]

## GROUP X.—OTHER LAND TRANSPORT.

| Industry and Occupation.     | Sydney.                             |     | Melbourne                        |    | Brisbane.                        |    | Adelaide.                       |    | Perth.                           |    | Hobart.                          |    |
|------------------------------|-------------------------------------|-----|----------------------------------|----|----------------------------------|----|---------------------------------|----|----------------------------------|----|----------------------------------|----|
|                              | s.                                  | d.  | s.                               | d. | s.                               | d. | s.                              | d. | s.                               | d. | s.                               | d. |
| <b>Carrying—Merchandise.</b> |                                     |     |                                  |    |                                  |    |                                 |    |                                  |    |                                  |    |
| Carriers—                    |                                     |     |                                  |    |                                  |    |                                 |    |                                  |    |                                  |    |
| One Horse .. ..              | <sup>48</sup> 90                    | 6   | 82                               | 0  | 77                               | 0  | 82                              | 0  | 85                               | 0  | 82                               | 0  |
| Two Horses .. ..             | <sup>48</sup> 95                    | 6   | 87                               | 0  | 82                               | 0  | 87                              | 0  | 90                               | 0  | 87                               | 0  |
| Three Horses .. ..           | <sup>48</sup> 99                    | 6   | 89                               | 0  | 85                               | 0  | 89                              | 0  | 92                               | 0  | 89                               | 0  |
| Corporation Carters—         |                                     |     |                                  |    |                                  |    |                                 |    |                                  |    |                                  |    |
| One Horse .. ..              | <sup>69</sup> 4                     | 10½ | 82                               | 0  | 77                               | 0  | 82                              | 0  | 85                               | 0  | 82                               | 0  |
| Two Horses .. ..             | <sup>61</sup> 03                    | 10½ | 87                               | 0  | 82                               | 0  | 87                              | 0  | 90                               | 0  | 87                               | 0  |
| Jinkers—One Horse ..         | <sup>48</sup> 90                    | 6   | 90                               | 0  | 85                               | 0  | 90                              | 0  | 93                               | 0  | 90                               | 0  |
| Two Horses .. ..             | <sup>48</sup> 95                    | 6   | 95                               | 0  | 90                               | 0  | 95                              | 0  | 98                               | 0  | 95                               | 0  |
| Sanitary Carters .. ..       | <sup>94</sup> 6 & <sup>99</sup> 6   |     | <sup>86</sup> to <sup>96</sup> 6 |    | 80                               | 0  | ..                              |    | <sup>84</sup> to <sup>94</sup> 6 |    | <sup>86</sup> to <sup>96</sup> 6 |    |
| Stable Hands .. ..           | <sup>1</sup> 90                     | 0   | 81                               | 0  | 76                               | 0  | 81                              | 0  | 85                               | 0  | 81                               | 0  |
| Tip Dray Drivers .. ..       | <sup>28</sup> 96 & <sup>94</sup> 6  |     | 82                               | 0  | 77                               | 0  | 82                              | 0  | 85                               | 0  | 82                               | 0  |
| Motor Lorries & Wagons—      |                                     |     |                                  |    |                                  |    |                                 |    |                                  |    |                                  |    |
| Under 3 tons .. ..           | <sup>12</sup> 90 to <sup>99</sup> 6 |     | <sup>87</sup> & <sup>91</sup> 6  |    | <sup>80</sup> to <sup>88</sup> 6 |    | <sup>87</sup> & <sup>91</sup> 6 |    | <sup>90</sup> & <sup>94</sup> 6  |    | <sup>87</sup> & <sup>91</sup> 6  |    |
| 3 tons & over .. ..          | <sup>12</sup> 99 & <sup>103</sup> 6 |     | 95                               | 0  | <sup>93</sup> & <sup>98</sup> 6  |    | 95                              | 0  | 98                               | 0  | 95                               | 0  |
| <b>Carrying—Passenger.</b>   |                                     |     |                                  |    |                                  |    |                                 |    |                                  |    |                                  |    |
| Chauffeurs .. ..             | <sup>25</sup> 98                    | 0   | <sup>75</sup> & <sup>80</sup> 6  | †  | ..                               |    | ..                              |    | ..                               |    | <sup>78</sup> to <sup>92</sup> 6 |    |
| <b>Lift Attendants.</b>      |                                     |     |                                  |    |                                  |    |                                 |    |                                  |    |                                  |    |
| Goods .. ..                  | 85                                  | 0   | 68                               | 0  | <sup>68</sup> 2                  | 6  | 60                              | 0* | 75                               | 0  | 78                               | 0  |
| Passenger .. ..              | 85                                  | 0   | 68                               | 0  | <sup>77</sup> & <sup>79</sup> 6  |    | 60                              | 0* | 75                               | 0  | 66                               | 0* |

## GROUP XI.—SHIPPING, WHARF LABOUR, ETC.

| Industry and Occupation.               | N.S.W.                          | Victoria.             | Q'land.               | S. Aust.              | W. Aust.              | Tasmania.    |
|--|---------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------|
| <b>Waterside Working.†</b>             |                                 |                       |                       |                       |                       |              |
| Coal Lumpers per hour                  | 3 0                             | 2 9                   | 2 11½                 | 2 10                  | 3 0                   | 2 9          |
| Wharf Labourers per hour§              | 2 9                             | 2 9                   | 2 9                   | 2 9                   | 2 9                   | 2 9          |
| <b>Passenger Vessels—Intra-State  </b> |                                 |                       |                       |                       |                       |              |
| Cooks—                                 |                                 |                       |                       |                       |                       |              |
| Chief .. per month.                    | <sup>32</sup> 40 0<br>to 350 0  | 335 0¶                | 335 0¶                | 335 0¶                | 335 0¶                | 238/ & 335/¶ |
| Second .. ..                           | <sup>32</sup> 210 0<br>to 250 0 | 225 0¶                | 225 0¶                | 225 0¶                | 225 0¶                | 208/ & 225/¶ |
| Third .. ..                            | <sup>32</sup> 210 0<br>to 250 0 | 185 0¶                | 185 0¶                | 185 0¶                | 185 0¶                | ..           |
| Ships .. ..                            | <sup>32</sup> 250 0             | ..                    | ..                    | ..                    | ..                    | ..           |
| Pantrymen .. ..                        | <sup>32</sup> 290 0<br>to 260 0 | 290 0††               | 290 0††               | 290 0††               | 290 0††               | ..           |
| Assistant .. ..                        | <sup>32</sup> 260 0<br>to 270 0 | 260 0                 | 260 0                 | 260 0                 | 260 0                 | ..           |
| Stewards .. ..                         | <sup>32</sup> 270 0<br>to 310 0 | & 270 0††<br>to 310 0 | & 270 0††<br>to 310 0 | & 270 0††<br>to 310 0 | & 270 0††<br>to 310 0 | 188 0        |

\* Ruling or predominant rate, see note at top of page 188. † 48 and 54 hours per week.

‡ Wharf labourers' rates in all States from 1st January, 1921. § Coal lumpers' rates, with the exception of Queensland, from 1st January, 1921. ¶ Rate of wage quoted is for other than special cargo.

|| Rates of wage quoted are in addition to victualling and accommodation. ¶ Not more than 10 hours per day. †† Not more than 10 hours per day when at sea, 9 per day when in intermediate ports, nor 8 per day when in terminal ports.

fortnight), except in the following cases:—Victoria—Shunters and signalmen in 1st and special class boxes, 88 hours per fortnight. South Australia—Porters and signalmen, 48 to 57 hours; and Tasmania—Guards, porters, shunters and signalmen, 54 hours. Owing to the difference in the classification of grades of railway employees in the various States, only minimum and maximum rates are quoted, excluding those for foremen. ¶ Melbourne rates from 1st January, 1921. \*\* Number of hours per week not regulated. †† Perth rates from 1st January, 1921. ‡‡ Melbourne, Adelaide and Hobart rates from 1st January, 1921.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP XI.—SHIPPING, WHARF LABOUR, ETC.—continued.

| Industry and Occupation.              | N.S.W. | Victoria.  | Q'land. | S. Aust.                          | W. Aust.  | Tasmania. |
|---------------------------------------|--------|--|---------|-----------------------------------|---|-----------|
| <b>Passenger Vessels—Inter-State†</b> |        |  |         |                                   |   |           |
| Bakers .. per month                   |        | \$295  |         |                                   | \$315   |           |
| Barmen ..                             |        | 270  |         |                                   | 270   |           |
| Butchers ..                           |        | 245  |         |                                   | 265   |           |
| Cooks—Chief ..                        |        | 365  |         |                                   | 395   |           |
| Second ..                             |        | 285  |         |                                   | 285   |           |
| Third ..                              |        | 225  |         |                                   | 225   |           |
| Ship's ..                             |        | 275  |         |                                   | 275   |           |
| Pantrymen ..                          |        | 290  |         |                                   | 290   |           |
| Scullerymen ..                        |        | 205  |         |                                   | 205   |           |
| Chief Saloon Steward ..               |        | 280  |         |                                   | 280   |           |
| Second ..                             |        | 310  |         |                                   | 310   |           |
| Second Saloon ..                      |        | 310  |         |                                   | 310   |           |
| Fore Cabin ..                         |        | 290  |         |                                   | 290   |           |
| Bedroom & other, ..                   |        | 270  |         |                                   | 270   |           |
|                                       |        | <i>Wages in Vessels of 4000 tons Gross Register and under.</i> |         |                                   | <i>Wages in Vessels of over 4000 tons Gross Register.</i> |           |
| <b>All Vessels—Inter-State.† §§</b>   |        |  |         |                                   |   |           |
| A.B. Seamen .. per month              |        |  | \$280   |                                   |   |           |
| Boatswains ..                         |        |  | 300     |                                   |   |           |
| Donkeymen ..                          |        |  | 340     |                                   |   |           |
| Firemen ..                            |        |  | 320     |                                   |   |           |
| Greasers ..                           |        |  | 320     |                                   |   |           |
| Lamp Trimmers ..                      |        |  | 300     |                                   |   |           |
| Fuel Trimmers ..                      |        |  | 280     |                                   |   |           |
|                                       |        | <i>VESSELS.</i>  |         |                                   | <i>VESSELS.</i>   |           |
| <b>Marine Engineers.†† ‡‡</b>         |        | <i>Under 100 N.H.P.</i>  |         | <i>100 or more N.H.P.</i>         |   |           |
| Chief .. per month                    |        | 610/ to 660/   |         | 680/ to 1020/                     |   |           |
| Second ..                             |        | 500/   |         | 500/ to 660/                      |   |           |
| Third ..                              |        | 450/   |         | 450/ to 550/                      |   |           |
| Fourth ..                             |        | ..   |         | 390/ to 490/                      |   |           |
| 5th, 6th, 7th, & 8th ..               |        | ..   |         | 380/                              |   |           |
|                                       |        | <i>INTERSTATE PASSENGER VESSELS.</i>                           |         | <i>INTERSTATE CARGO VESSELS.</i>  |   |           |
|                                       |        | <i>Lowest Highest</i>  |         | <i>Lowest Highest</i>             |   |           |
|                                       |        | <i>Class, 125 tons &amp; under.</i>                            |         | <i>Class 60 tons &amp; under.</i> |   |           |
| <b>Merchant Service.†† ‡‡</b>         |        | <i>10,000 tons.</i>  |         | <i>8,000 tons.</i>                |   |           |
| Masters .. per month                  |        | 610s. 1600s.   |         | 522s. 1100s.                      |   |           |
| Officers—Chief ..                     |        | 470s. 630s.  |         | 410s. 570s.                       |   |           |
| Second ..                             |        | 410s. 570s.  |         | 370s. 490s.                       |   |           |
| Third ..                              |        | .. 510s.   |         | .. 450s.                          |   |           |
| Fourth & Fifth ..                     |        | .. 370s.   |         | .. 370s.                          |   |           |

## GROUP XII.—AGRICULTURAL, PASTORAL, ETC.

| Industry and Occupation.     | N.S.W.       | Victoria.    | Q'land.      | S. Aust.     | W. Aust.     | Tasmania.     |
|------------------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| <b>Farming. **</b>           |              |              |              |              |              |               |
| General Hands*§ ..           | \$25/ to 45/ | \$25/ to 45/ | \$25/ to 40/ | \$30/ to 50/ | \$40/ to 55/ | \$30/ to 45/  |
| Harvesters*§ ..              | 54/ to 72/   | 48/ to 80/   | 54/ to 80/   | 55/ to 80/   | 48/ to 75/   | 45/ to 72/    |
| Milkers*§ ..                 | 30/ to 40/   | 30/ to 45/   | 25/ to 40/   | 30/ to 45/   | 35/ to 50/   | 30/ to 45/    |
| Ploughmen*§ ..               | 25/ to 50/   | 35/ to 50/   | 30/ to 45/   | 35/ to 50/   | 40/ to 60/   | 35/ to 50/    |
| Chaffcutters—Portable ..     | ..           | 82 0         | ..           | ..           | ..           | \$292/6 & 95/ |
| Stationary ..                | ..           | 82 0         | ..           | 75 0         | ..           | \$292/6 & 95/ |
| Threshers—Feeders ..         | ..           | ..           | ..           | to 86 1††    | ..           | 39.95 0       |
| Machinists ..                | ..           | ..           | ..           | ..           | ..           | \$292 6       |
| <b>ardening. ††</b>          |              |              |              |              |              |               |
| Gardeners ..                 | 90 0         | 675 0        | *86 8        | 60/ to 66/*  | 86 0         | 66 0*         |
| Labourers ..                 | 85 0         | 672 0        | 677 0        | 60/ to 66/*  | 80 0         | 54/ to 60/*   |
| Nurserymen ..                | 90/ & 97/6   | 75 0         | 85 0         | 66/ to 72/*  | 70/ to 75/*  | 66 0*         |
| Labourers ..                 | 85 0         | 70 0         | 77 0         | 60/ to 66/*  | 66/ to 70/*  | 54/ to 60/*   |
| <b>Pastoral Workers. ***</b> |              |              |              |              |              |               |
| Cooks§ ..                    | 102 0        | 102 0        | 102 0        | 102 0        | 100/ to 140/ | 102 0         |
| Shearers .. per 100          | 40 0         | 40 0         | 40 0         | 40 0         | 30 0§        | 40 0          |
| Shed Hands§ ..               | 90 0         | 90 0         | 90 0         | 90 0         | 70 0         | 90 0          |
| Wool Pressers§ ..            | 110 0        | 110 0        | 110 0        | 110 0        | 100 0        | 110 0         |
| <b>Rural Workers.</b>        |              |              |              |              |              |               |
| Fruit Harvesters ..          | 72/ to 78/   | 72/ to 78/   | ..           | 72/ to 78/   | 72 0         | ..            |

\* Ruling or predominant rates, see note at top of page 188. † Rates of wage quoted are in addition to victualling and accommodation. § Rates of wage quoted are in addition to Board and Lodging provided. ‡ Minimum rates under the Commonwealth Award are classified according to nominal horse-power of vessels. ¶ Minimum rates under the Commonwealth Award are classified for Interstate vessels, and for vessels within a State according to tonnage; the lowest and highest classes for Interstate passenger and cargo vessels are here given. \*\* Hours in the farming industry vary considerably, and no reliable particulars can be published. †† 51 hours during harvest months, and 48 hours during other than harvest months. †‡ Marine Engineers—Not more than 8 hours per day in cases where one and where three or more engineers are employed, and not more than 12 hours per day where two engineers are employed, to be worked without payment for overtime. Masters and Officers.—Ordinary length of duty in a day at sea or in port or partly at sea and partly at port shall be 8 hours

[For continuation of footnote see next page]

## GROUP XIII.—DOMESTIC, HOTELS, ETC.

NOTE.—The rates of wage specified for employees in Clubs, Hotels and Restaurants represent the weekly cash payment where Board and Lodging are not provided. If Board and Lodging are provided the following amounts, fixed by Industrial Tribunals, may be deducted from the under-mentioned rates of wage:—Sydney, 11s. to 23s. (according to class of establishment); Melbourne, 20s.; Brisbane, 17s.; Adelaide, 16s. (Restaurants); and 15s. (Hotels and Clubs); Perth, 22s.; and Hobart, 20s. per week.

| Industry and Occupation.          | Sydney.       |    | Melbourne.  |    | Brisbane. |    | Adelaide.   |    | Perth.     |    | Hobart.       |    |
|-----------------------------------|---------------|----|-------------|----|-----------|----|-------------|----|------------|----|---------------|----|
|                                   | s.            | d. | s.          | d. | s.        | d. | s.          | d. | s.         | d. | s.            | d. |
| <b>Clubs—Residential.</b>         |               |    |             |    |           |    |             |    |            |    |               |    |
| Barmen .. ..                      | 85            | 0  | 82          | 6  | 80        | 0  | 66          | 0  | 95         | 0* | 2565/ & 66/   |    |
| Billiard Markers .. ..            | 3d85          | 0  | 66          | 0  | 75        | 0  | 55          | 0  | 66         | 6* | 2550          | 0  |
| Lift Attendants .. ..             | 3d85          | 0  | 1960        | 8  | 77/ & 79/ |    | 55          | 0  | 66         | 6* | 2542          | 6  |
| Porters—Day Work .. ..            | 3d85          | 0  | 66          | 0  | 75        | 0  | 55          | 0  | 66         | 6* | 2545          | 0  |
| Night Work .. ..                  | 3d85          | 0  | 66          | 0  | 75        | 0  | 55          | 0  | 66         | 6* |               |    |
| <b>Cooks—Hotels, Clubs, etc..</b> |               |    |             |    |           |    |             |    |            |    |               |    |
| Chefs .. ..                       | 85/ to 143/6† |    | 75/ to 110/ |    | 91/ & 96/ |    | 80/ to 125/ |    | 95/ & 102/ |    | 2560/ to 100/ |    |
| Cooks—Second .. ..                | 82/ to 113/6† |    | 72/6 to 90/ |    | 81        | 0  | 69/ to 95/  |    | 78/3 & 82/ |    | 2547/6 to 80/ |    |
| Third .. ..                       | 84/ to 103/6† |    | 70/ to 72/6 |    | 81        | 0  | 65/ to 85/  |    | 72         | 0  | 2547/6 to 65/ |    |
| Kitchenmen .. ..                  | 82/ & 85/†    |    | 66          | 0  | 75        | 0  | 55/ & 75/   |    | 66         | 0  | 2550          | 0  |
| <b>Hairdressing, §</b>            |               |    |             |    |           |    |             |    |            |    |               |    |
| Full Hands .. ..                  | 16100         | 0  | 100         | 0  |           |    |             |    |            |    |               |    |
| Hairdressers .. ..                | 1695          | 0  | 1490        | 0  | 90        | 0  | 85          | 0  | 100        | 0  | 161975        | 0  |
| <b>Hotels.</b>                    |               |    |             |    |           |    |             |    |            |    |               |    |
| Barmen .. ..                      | 85            | 0  | 82          | 6  | 80        | 0  | 66          | 0  | 95         | 0  | 2565/ & 66/   |    |
| Billiard Markers .. ..            | 3185          | 0  | 66          | 0  | 75        | 0  | 55          | 0  | 66         | 6  | 2550          | 0  |
| Handymen .. ..                    | 3185          | 0  | 66          | 0  | 75        | 0  | 55          | 0  | 66         | 6  | 2543          | 0  |
| Lift Attendants .. ..             | 3185          | 0  | 1960        | 8  | 77/ & 79/ |    | 55          | 0  | 66         | 6  | 2542          | 6  |
| Porters—Day Work .. ..            | 3185          | 0  | 66          | 0  | 75        | 0  | 55          | 0  | 66         | 6  | 2542          | 6  |
| Night Work .. ..                  | 3185          | 0  | 66          | 0  | 75        | 0  | 55          | 0  | 66         | 6  | 2545          | 0  |
| Waiters—Head .. ..                | 2905          | 0  | 70          | 0  | 75        | 0  | 70          | 0  | 69         | 0  | 2560/ & 70/   |    |
| Other .. ..                       | 2885          | 0  | 66          | 0  | 75        | 0  | 59          | 0  | 69         | 0  | 2550/ to 65/  |    |
| <b>Restaurants.</b>               |               |    |             |    |           |    |             |    |            |    |               |    |
| Pantrymen .. ..                   | 85            | 0‡ | 66          | 0  | 77        | 0  | 75          | 0  | 66         | 6  | 2550          | 0  |
| Waiters .. ..                     | 85            | 0‡ | 66          | 0  | 77        | 0  | 75/ & 77/6  |    | 69         | 0  | 2550/ to 65/  |    |

## GROUP XIV.—MISCELLANEOUS AND GENERAL LABOUR.

| Bill Posting.                            | 87         |   | 66         |   | 77  |    | 70/ to 80/* |   | 75/ to 85/* |   | 78          |    |
|--|------------|---|------------|---|-----|----|-------------|---|-------------|---|-------------|----|
| Billposters .. ..                        | 87         | 0 | 66         | 0 | 77  | 6* |             |   |             |   |             |    |
| <b>Factory Engine Driving.¶</b>          |            |   |            |   |     |    |             |   |             |   |             |    |
| Engine Drivers (Stationary)              |            |   |            |   |     |    |             |   |             |   |             |    |
| 1st Class .. ..                          | 100        | 0 | 101        | 0 | 101 | 0  | 93          | 0 | 91          | 6 | 88/6 & 94/6 |    |
| 2nd Class .. ..                          | 97         | 0 | 98         | 0 | 93  | 0  | 90          | 0 | 88          | 6 | 85/6 & 91/6 |    |
| 3rd Class .. ..                          | 94         | 0 | 98         | 0 | 85  | 0  | 87          | 0 | 85          | 6 | 82/6 & 88/6 |    |
| Firemen—1st Class .. ..                  | 91         | 0 | 98         | 0 | 83  | 0  | 84          | 0 | 79/6 & 81/  |   | 79/6 & 84/6 |    |
| 2nd Class .. ..                          | 88/ & 89/6 |   | 90/6 & 95/ |   |     |    | 76/6 & 81/  |   | 78          | 0 | 78/6 & 85/6 |    |
| Greasers .. ..                           | 88         | 0 | 90         | 6 | 83  | 0  | 76          | 6 | 78          | 0 | 75/ & 81/   |    |
| Trimmers .. ..                           | 86         | 6 | 90         | 6 | 82  | 0  | 76          | 6 | 75          | 0 | 73/6 & 79/6 |    |
| <b>Fuel Distribution—Coal and Coke.†</b> |            |   |            |   |     |    |             |   |             |   |             |    |
| Baggers and Loaders .. ..                | 87         | 6 | 90         | 0 |     |    |             |   |             |   | 84          | 0* |
| Carters—One Horse .. ..                  | 87         | 6 | 73/ & 74/  |   | 77  | 0  | 82          | 0 | 85          | 0 | 82          | 0  |
| Two Horses .. ..                         | 92         | 6 | 78/ & 79/  |   | 82  | 0  | 87          | 0 | 90          | 0 | 87          | 0  |
| Trimmers .. ..                           | 87         | 6 | 90         | 0 |     |    |             |   |             |   | 97          | 0* |

\* Ruling or predominant rates, see note at top of page 188. † The hours of cooks, etc., in Sydney are 48, 55, 57 and 58 per week, according to the class of establishment. ‡ 48 and 58 hours per week, according to class of establishment. § Perth rates from 17th January, 1921. ¶ Melbourne rates from 1st January, 1921. ¶ Sydney rates from 1st January, 1921.

Five intervals of 24 consecutive hours' leave to be allowed each master, officer or engineer each calendar month. §§ Not more than 8 hours per day. ¶ Not more than 10 hours per day. ||| Hours shall not exceed 8 per day in terminal ports, 9 per day in intermediate ports, nor 10 per day at sea. ¶¶ Brisbane and Perth rates are for employees of local authorities. Sydney rates from 7th January, 1921. \*\*\* Shearers' and Woolpressers' hours are 44 per week; shed hands' hours are the same as shearers with such additional time as may be necessary to finish picking up fleeces, etc. Should the time engaged picking up, etc., exceed 30 minutes per day, all time thereafter must be paid as overtime. The hours of cooks are not regulated. In New South Wales it is understood that certain sheds are still working 48 hours.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## GROUP XIV.—MISCELLANEOUS AND GENERAL LABOUR—continued.

| Industry and Occupation.                 | Sydney.       |     | Melbourne.  |    | Brisbane.    |     | Adelaide.     |    | Perth.    |    | Hobart.      |    |
|--|---------------|-----|-------------|----|--------------|-----|---------------|----|-----------|----|--------------|----|
|  | s.            | d.  | s.          | d. | s.           | d.  | s.            | d. | s.        | d. | s.           | d. |
| <b>Fuel Distribution—Firewood.†</b>      |               |     |             |    |              |     |               |    |           |    |              |    |
| Carters—One Horse ..                     | 87            | 6   | 82          | 0  | 77           | 0   | 82            | 0  | 85        | 0  | 82           | 0  |
| Two Horses ..                            | 92            | 6   | 82          | 0  | 82           | 0   | 87            | 0  | 90        | 0  | 87           | 0  |
| Sawyers ..                               | 87            | 6   | 86          | 0  | 84           | 4   | ..            | .. | ..        | .. | 70           | 0* |
| Yardmen ..                               | 87            | 6   | 85          | 0  | ..           | ..  | ..            | .. | ..        | .. | 70           | 0* |
| Other Adults ..                          | 87            | 6   | 80          | 0  | ..           | ..  | ..            | .. | ..        | .. | ..           | .. |
| <b>Marine Stores.</b>                    |               |     |             |    |              |     |               |    |           |    |              |    |
| Bottle Washers ..                        | 85            | 0*  | 80          | 0  | 77           | 0   | 60            | 0  | 80        | 0  | ..           | .. |
| Foremen ..                               | 90            | 0*  | 83          | 0  | 82           | 0   | 63            | 0  | ..        | .. | ..           | .. |
| General Hands ..                         | 85            | 0*  | 77          | 0  | 77           | 0   | 60            | 0  | 80        | 0  | ..           | .. |
| <b>Municipal.‡</b>                       |               |     |             |    |              |     |               |    |           |    |              |    |
| Labourers ..                             | 69            | 10½ | 82          | 6  | 67           | 0   | 75            | 0  | 80        | 0  | 69           | 0  |
| Street Sweepers ..                       | 69            | 10½ | 82          | 6  | 67           | 0   | 75            | 0  | 80/ & 82/ | .. | 69           | 0  |
| <b>Shop and other Assistants.</b>        |               |     |             |    |              |     |               |    |           |    |              |    |
| Boot Salesmen ..                         | 99            | 6   | 1280        | 0  | 1290         | 0   | 85            | 0  | 85        | 0  | 1085/to 100/ | .. |
| Chemists' Assistants ..                  | 97/ & 106/    | ..  | 18108       | 0  | 103          | 6   | 2280          | 0  | ..        | .. | ..           | .. |
| Clerks ..                                | 92            | 6   | 610         | 80 | 1295         | 0*  | 1080          | 0  | ..        | .. | 485          | 0  |
| Confectionery Salesmen ..                | 85            | 0   | ..          | .. | 1290         | 0   | ..            | .. | 85        | 0  | ..           | .. |
| Drapery Salesmen ..                      | 99            | 6   | 12100       | 0  | 1290         | 0   | 85            | 0  | 85        | 0  | 1085/to 100/ | .. |
| Fruit Salesmen ..                        | 2585          | 0   | ..          | .. | 1290         | 0   | ..            | .. | ..        | .. | ..           | .. |
| Furniture Salesmen† ..                   | 99            | 6   | 12102       | 6  | 1290         | 0   | 85            | 0  | 85        | 0  | 1085/to 100/ | .. |
| Grocery Salesmen ..                      | 94            | 6   | 80          | 0  | 1290         | 0   | 82            | 0  | 85        | 0  | 1480         | 0  |
| Newsagents' Assistants ..                | 85            | 0   | ..          | .. | 1290         | 0   | 85            | 0  | 85        | 0  | 1075         | 0  |
| Railway Bookstall Assist'ts              | 85            | 0   | ..          | .. | 1290         | 0   | ..            | .. | 85        | 0  | 1075         | 0  |
| Tobacconists' Assistants                 | 90            | 6   | ..          | .. | 1290         | 0   | ..            | .. | 85        | 0  | ..           | .. |
| <b>Clothing—Men's.§</b>                  |               |     |             |    |              |     |               |    |           |    |              |    |
| Collectors, Doormen and Travellers ..    | 99            | 6   | 12105       | 0  | ..           | ..  | ..            | .. | 89        | 6  | ..           | .. |
| Departmental Managers                    | 107/ & 112/   | ..  | 12117       | 0  | ..           | ..  | ..            | .. | ..        | .. | 10105        | 0  |
| Parcels Officers ..                      | ..            | ..  | 1287        | 6  | ..           | ..  | ..            | .. | 84        | 0  | ..           | .. |
| Salesmen ..                              | 99            | 6   | 12105       | 0  | 1290         | 0   | 85            | 0  | 85        | 0  | 1085 to 100, | .. |
| <b>Hardware.</b>                         |               |     |             |    |              |     |               |    |           |    |              |    |
| Managers—Branch ..                       | 107/ & 112/   | ..  | 95          | 0  | ..           | ..  | 110           | 0  | ..        | .. | ..           | .. |
| Departmental ..                          | 107/ & 112/   | ..  | 100         | 0  | ..           | ..  | 95            | 0  | ..        | .. | 100          | 0  |
| Salesmen—                                |               |     | to 115      | 0  | ..           | ..  | & 100         | 0  | ..        | .. | ..           | .. |
| Junior ..                                | 85/ & 89/6    | ..  | 55/ to 82/6 | .. | 1260/to 79/6 | ..  | 75/ & 77/6    | .. | ..        | .. | 55/ to 75/   | .. |
| Outside ..                               | ..            | ..  | 95          | 0  | ..           | ..  | 85/ to 95/    | .. | ..        | .. | 85           | 0  |
| Senior ..                                | 99            | 6   | 90          | 0  | 1290         | 0   | 80/ to 85/    | .. | 85        | 0  | 80           | 0  |
| <b>Storemen—Packing, Cleaning, etc..</b> |               |     |             |    |              |     |               |    |           |    |              |    |
| Night Watchmen ..                        | 48/88/ & 90/6 | ..  | 35a112      | 9  | 3380         | 0   | 2880          | 0  | ..        | .. | 3760/to 75,* | .. |
| Office Cleaners ..                       | 88/ to 93/    | ..  | 1069        | 0  | 77           | 0   | ..            | .. | 80        | 0  | 1775         | 0  |
| Packers—General ..                       | 88/ to 90/    | ..  | 80          | 0  | 682          | 6   | 77            | 0¶ | 85        | 0  | 70           | 0  |
| Storemen—General ..                      | 88/6 & 93/    | ..  | 80          | 0  | 682          | 6   | 77            | 0¶ | 84        | 0  | 70           | 0  |
| <b>Wholesale Grocery.</b>                |               |     |             |    |              |     |               |    |           |    |              |    |
| Packers—Head ..                          | 85/ to 105/6  | ..  | 80/ to 90/  | .. | 637/6to112/6 | ..  | 86            | 6  | 85        | 0  | 86/6 & 93/   | .. |
| Other ..                                 | 85            | 0   | 75          | 0  | 682          | 6   | 72            | 6  | 85        | 0  | 79           | 0  |
| Storemen—Head ..                         | 85/ to 105/6  | ..  | 82/ to 97/6 | .. | 637/6to112/6 | ..  | 86            | 6  | 87        | 0  | 86/6 & 93/   | .. |
| Other ..                                 | 85            | 0   | 75/ & 82/   | .. | 682          | 6   | 72            | 6  | 84        | 0  | 79           | 0  |
| <b>Wholesale Hardware.</b>               |               |     |             |    |              |     |               |    |           |    |              |    |
| Packers ..                               | 1385          | 0   | 76          | 0  | 682          | 6   | 77            | 0¶ | 85        | 0  | 65/ to 75/   | .. |
| Storemen ..                              | 1385          | 0   | 76          | 0  | 682          | 6   | 77            | 0¶ | 84        | 0  | 65/ to 75/   | .. |
| <b>Surveying.</b>                        |               |     |             |    |              |     |               |    |           |    |              |    |
| Surveyors' Cooks (for 7 days)            | 90            | 6   | 2880        | 0* | 93           | 4†† | 2584/ to 98/* | .. | 90        | 0* | ..           | .. |
| Foremen ..                               | 94            | 0   | 81          | 0* | ..           | ..  | ..            | .. | 98        | 0* | ..           | .. |
| Labourers ..                             | 88            | 0   | 72          | 0* | 80           | 0   | 72/ to 81/*   | .. | 92        | 0* | ..           | .. |

\* Ruling or predominant rates, see note at top of page 188. † Sydney and Melbourne rates from 1st January, 1921. ‡ Melbourne rates from 1st January, 1921. § Melbourne rates from 10th January, 1921. ¶ 47½, 47½ and 48 hours per week. ¶ 48 hours per week in shops and 48 and 50½ hours per week other than in shops. \*\* In retail shops same hours as other employees. †† Number of hours per week not regulated.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

## APPENDIX V.

Minimum Rates of Wage for Adult Female Workers in the Main Occupations in the Capital Town of each State for a Full Week's Work, at 31st December, 1920.

(See Explanatory Note at top of page 188.)

## GROUP III.—FOOD, DRINK, TOBACCO, ETC.

| Industry and Occupation.          | Sydney.     |    | Melbourne. |    | Brisbane.    |    | Adelaide. |    | Perth.      |             | Hobart. |    |
|-----------------------------------|-------------|----|------------|----|--------------|----|-----------|----|-------------|-------------|---------|----|
|                                   | s.          | d. | s.         | d. | s.           | d. | s.        | d. | s.          | d.          | s.      | d. |
| <b>Biscuit Making.</b>            |             |    |            |    |              |    |           |    |             |             |         |    |
| Adult Females .. ..               | 43          | 0  | 37         | 6  | 1038         | 0  | 32        | 6  | 30          | 0           | 40      | 0  |
| <b>Butter Making.</b>             |             |    |            |    |              |    |           |    |             |             |         |    |
| Adult Females .. ..               | ..          |    | 45         | 0  | ..           |    | 35        | 0* | ..          |             | ..      |    |
| <b>Cheese Making.</b>             |             |    |            |    |              |    |           |    |             |             |         |    |
| Adult Females .. ..               | ..          |    | 45         | 0  | ..           |    | ..        |    | ..          |             | ..      |    |
| <b>Confectionery.</b>             |             |    |            |    |              |    |           |    |             |             |         |    |
| Chocolate Dippers ..              | 43          | 0  | 42         | 6  | 942          | 0  | 32        | 6  | 627/6to32/6 | 20/ to 35/* | ..      | .. |
| Other Adults .. ..                | 43          | 0  | 42         | 6  | 942          | 0  | 32        | 6  |             |             |         |    |
| <b>Jam Making and Preserving.</b> |             |    |            |    |              |    |           |    |             |             |         |    |
| Fillers .. ..                     | 43          | 0  | 45         | 6  | 40           | 6  | 40        | 6  | 30          | 0           | 45      | 6  |
| Other Adults .. ..                | 43          | 0  | 40         | 0  | 40           | 6  | 35        | 0  | 30          | 0           | 40      | 0  |
| <b>Pastry Cooks.</b>              |             |    |            |    |              |    |           |    |             |             |         |    |
| Adult Females .. ..               | 43/ to 60/9 |    | 35         | 0  | 1040         | 0  | ..        |    | ..          |             | ..      |    |
| <b>Tea Packing.</b>               |             |    |            |    |              |    |           |    |             |             |         |    |
| Head Women .. ..                  | 1243        | 0  | 47         | 6  | 643/6 to 53/ |    | ..        |    | ..          |             | 40      | 0  |
| Other Adults .. ..                | 1243        | 0  | 40         | 0  | 640          | 0  | 32        | 6* | ..          |             | 27      | 6  |
| <b>Tobacco Working—Cigars.</b>    |             |    |            |    |              |    |           |    |             |             |         |    |
| Ringers .. ..                     | 43          | 0  | 24         | 0  | ..           |    | ..        |    | ..          |             | ..      |    |
| Wrapper Leaf Strippers            | 43          | 0  | 50/ & 55/  |    | ..           |    | ..        |    | ..          |             | ..      |    |

## GROUP IV —CLOTHING, HATS, BOOTS, ETC.

|                              |       |    |             |   |              |   |             |    |            |    |       |   |
|------------------------------|-------|----|-------------|---|--------------|---|-------------|----|------------|----|-------|---|
| <b>Bootmaking.†</b>          |       |    |             |   |              |   |             |    |            |    |       |   |
| Machinists—Wax Thread        | 57    | 0  | 652         | 0 | 644          | 0 | 652         | 0  | ..         |    | 652   |   |
| Other Adults .. ..           | 48    | 0  | 644         | 0 | 644          | 0 | 644         | 0  | 44         | 0  | 644   |   |
| <b>Dressmaking.†</b>         |       |    |             |   |              |   |             |    |            |    |       |   |
| Adult Females .. ..          | 10443 | 0  | 642/ & 42/6 |   | 642          | 0 | 642/ to 70/ |    | 645        | 0  | 842   | 0 |
|                              | to 45 |    |             |   |              |   |             |    | to 53      | 0  | to 63 | 0 |
| <b>Dyers and Cleaners.</b>   |       |    |             |   |              |   |             |    |            |    |       |   |
| Adult Females .. ..          | 43    | 0  | 30          | 0 | 635/ to 40/* |   | 10430       | 0  | 655        | 0* | ..    |   |
|                              | to 50 | 6§ | to 44       | 0 |              |   | to 52       | 6* |            |    |       |   |
| <b>Hat Making—Straw.</b>     |       |    |             |   |              |   |             |    |            |    |       |   |
| Finishers .. ..              | 1043  | 0  | 640         | 0 | 643          | 6 | ..          |    | ..         |    | ..    |   |
| Machinists .. ..             | 1044  | 0  | 642         | 6 | 643          | 6 | ..          |    | ..         |    | ..    |   |
| <b>Millinery.†</b>           |       |    |             |   |              |   |             |    |            |    |       |   |
| Adult Females .. ..          | 10443 | 0  | 642/ to 44/ |   | 61042        | 0 | 42          | 0  | 645        | 0  | 842   | 0 |
|                              | & 45  | 0  |             |   |              |   |             |    |            |    |       |   |
| <b>Shirt Making.†</b>        |       |    |             |   |              |   |             |    |            |    |       |   |
| Adult Females .. ..          | 11443 | 0  | 642         | 0 | 1242         | 0 | 642/ & 45/  |    | 645/ & 53/ |    | 842   | 0 |
| <b>Tailoring—Order.</b>      |       |    |             |   |              |   |             |    |            |    |       |   |
| Machinists—Coat Hands        | 649   | 0  | 649         | 0 | 649          | 0 | 649         | 0  | 662        | 6  | 649   | 0 |
| Trousers, Vest Hds.          | 645   | 0  | 645         | 0 | 645          | 0 | 645         | 0  | 662        | 6  | 645   | 0 |
| Tailoresses—Coat Hands       | 649   | 0  | 649         | 0 | 649          | 0 | 649         | 0  | 662        | 6  | 649   | 0 |
| Trousers, Vest Hds.          | 645   | 0  | 645         | 0 | 645          | 0 | 645         | 0  | 653        | 1½ | 645   | 0 |
| <b>Tailoring—Ready-made.</b> |       |    |             |   |              |   |             |    |            |    |       |   |
| Machinists—Coat Hands        | 645   | 0  | 645         | 0 | 645          | 0 | 645         | 0  | 648        | 0  | 5645  | 0 |
| Trousers, Vest Hds.          | 643   | 0  | 643         | 6 | 643          | 6 | 643         | 6  | 646        | 0  | 5643  | 6 |
| Tailoresses—Coat Hands       | 645   | 0  | 645         | 0 | 645          | 0 | 645         | 0  | 648        | 0  | 5645  | 0 |
| Trousers, Vest Hds.          | 643   | 0  | 642         | 0 | 642          | 0 | 642         | 0  | 645        | 0  | 5642  | 0 |

\* Ruling or predominant rates, see note at top of page 188. † Rates in each capital city from 1st January, 1921. ‡ Melbourne, Brisbane, Adelaide and Hobart rates from 1st January, 1921. § Six-day week—48 hours; five-day week—46½ hours.

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

GROUP IV.—CLOTHING, HATS, BOOTS, ETC.—*continued.*

| Industry and Occupation.             | Sydney.       |    | Melbourne   |     | Brisbane. |    | Adelaide.   |    | Perth.     |    | Hobart. |    |
|--------------------------------------|---------------|----|-------------|-----|-----------|----|-------------|----|------------|----|---------|----|
|                                      | s.            | d. | s.          | d.  | s.        | d. | s.          | d. | s.         | d. | s.      | d. |
| <b>Textile Working—Woollen Mills</b> |               |    |             |     |           |    |             |    |            |    |         |    |
| Comb Minders .. ..                   | 43            | 0  | 40          | 0   | 42        | 0  | 40          | 0* | ..         | .. | 35      | 0  |
| Drawers and Menders ..               | 46/3 & 51/3   |    | 40          | 0   | 42        | 0  | 40          | 0* | ..         | .. | 35      | 0  |
| Gillbox Minders .. ..                | 43            | 0  | 40          | 0   | 42        | 0  | 40          | 0* | ..         | .. | 35      | 0  |
| Warpers .. ..                        | 46/3 & 51/3   |    | 43          | 6   | 42        | 0  | 43/ & 43/6* |    | ..         | .. | 35      | 0  |
| Weavers—Loom .. ..                   | 51            | 3  | 45          | 0   | 42        | 0  | 45/ & 45/6* |    | ..         | .. | 35      | 0  |
| Other Adults .. ..                   | 43            | 0  | 40          | 0   | 42        | 0  | 28/3 & 40/* |    | ..         | .. | 35      | 0  |
| <b>Tie Making.</b>                   |               |    |             |     |           |    |             |    |            |    |         |    |
| Machinists .. ..                     | 43/ to 50 *   |    | 642         | 6*  | ..        | .. | ..          | .. | ..         | .. | ..      | .. |
| Needlewomen .. ..                    | 43            | 0* | 642         | 6*  | ..        | .. | ..          | .. | ..         | .. | ..      | .. |
| Pressers, Boxers & others            | 43            | 0* | 640         | 0*  | ..        | .. | ..          | .. | ..         | .. | ..      | .. |
| <b>Underclothing.†</b>               |               |    |             |     |           |    |             |    |            |    |         |    |
| Adult Females .. ..                  | 10443/ to 55/ |    | 642/ to 44/ |     | 1242      | 0  | 642/ to 44/ |    | 645/ & 53/ |    | 842     | 0  |
| <b>Waterproof Clothing.</b>          |               |    |             |     |           |    |             |    |            |    |         |    |
| Garment Makers .. ..                 | 643/ to 55 *  |    | 42          | 0 & | ..        | .. | ..          | .. | ..         | .. | ..      | .. |
| Needlewomen .. ..                    | 643/ to 55 *  |    | 44          | 0*  | ..        | .. | ..          | .. | ..         | .. | ..      | .. |

## GROUPS I., II., V., AND VI.—PRINTING AND OTHER MANUFACTURING.

|                               |             |    |            |    |          |    |           |    |              |    |     |    |
|-------------------------------|-------------|----|------------|----|----------|----|-----------|----|--------------|----|-----|----|
| <b>Bedding and Furniture.</b> |             |    |            |    |          |    |           |    |              |    |     |    |
| Bedding Machinists ..         | 643         | 0  | 44         | 0  | 642      | 2  | 38        | 6  | 50           | 0  | 45  | 0  |
| Mattress (Wire) Workers       | ..          | .. | 55         | 0  | ..       | .. | ..        | .. | 50           | 0  | 45  | 0  |
| Picture Frame Workers         | 645         | 0  | 844        | 0  | ..       | .. | ..        | .. | 45           | 0  | ..  | .. |
| <b>Bookbinding.</b>           |             |    |            |    |          |    |           |    |              |    |     |    |
| Folders .. ..                 | 743         | 0  | 42         | 6  | 942      | 0  | 42        | 0  | 645          | 0  | 645 | 0  |
| Sewers .. ..                  | 744/ to 46/ |    | 45         | 0  | 942      | 0  | 45        | 0  | 645          | 0  | 647 | 6  |
| <b>Brassworking.</b>          |             |    |            |    |          |    |           |    |              |    |     |    |
| Coremakers .. ..              | 43          | 0  | 36         | 0  | ..       | .. | ..        | .. | ..           | .. | ..  | .. |
| Other Adults .. ..            | 43          | 0  | ..         | .. | ..       | .. | ..        | .. | ..           | .. | ..  | .. |
| <b>Brush Making.</b>          |             |    |            |    |          |    |           |    |              |    |     |    |
| Bass Broom Drawers ..         | 45          | 0  | ..         | .. | } 45 0 { | 36 | 0         | .. | ..           | .. | ..  | .. |
| Bench Drawers .. ..           | 45          | 0  | 36         | 0  |          | 36 | 0         | .. | ..           | .. | ..  | .. |
| Machinists—Treadle Knot       | 45          | 0  | 36         | 0  |          | 36 | 0         | .. | ..           | .. | ..  | .. |
| <b>Candle Making.</b>         |             |    |            |    |          |    |           |    |              |    |     |    |
| Adult Females .. ..           | 43          | 0  | 40         | 0  | ..       | 40 | 0         | .. | ..           | .. | ..  | .. |
| <b>Cardboard Box Making.</b>  |             |    |            |    |          |    |           |    |              |    |     |    |
| Box Makers .. ..              | 43          | 0  | 42/ & 47/6 |    | 942      | 0  | 42        | 0  | 645/ to 45 * |    | ..  | .. |
| Other Adults .. ..            | 43          | 0  | 40         | 0  | 942      | 0  | 38/ & 40/ |    | 635/ to 45/* |    | ..  | .. |
| <b>Jewellery.</b>             |             |    |            |    |          |    |           |    |              |    |     |    |
| Chainmakers .. ..             | 48/6 & 53/6 |    | 47         | 6  | 660      | 0  | ..        | .. | 53           | 6  | ..  | .. |
| Enamel Fillers .. ..          | 43          | 0  | 40         | 0  | 650      | 0  | ..        | .. | 53           | 6  | ..  | .. |
| Gilders .. ..                 | 48          | 6  | 60         | 0  | 650      | 0  | 55        | 0† | 53           | 6  | ..  | .. |
| Polishers .. ..               | 48          | 6  | 50/ to 60/ |    | 650      | 0  | 55        | 0† | 53           | 6  | ..  | .. |
| Scratch Brushers .. ..        | 48          | 6  | 40         | 0  | 650      | 0  | 55        | 0† | 53           | 6  | ..  | .. |
| Workers N.E.I. .. ..          | 53          | 6  | 75         | 0  | 650      | 0  | ..        | .. | 53           | 6  | ..  | .. |
| <b>Leather Small Goods.</b>   |             |    |            |    |          |    |           |    |              |    |     |    |
| Hand Stitchers .. ..          | 845         | 0  | 845        | 0  | 845      | 0  | 41        | 0  | 845          | 0  | 845 | 0  |
| Other Adults .. ..            | 845         | 0  | 845        | 0  | 845      | 0  | 41        | 0  | 845          | 0  | 845 | 0  |
| <b>Paper Making.†</b>         |             |    |            |    |          |    |           |    |              |    |     |    |
| Adult Females .. ..           | 43          | 0  | 37/6 & 40/ |    | ..       | .. | ..        | .. | ..           | .. | ..  | .. |
| <b>Paper Bag Making.</b>      |             |    |            |    |          |    |           |    |              |    |     |    |
| Adult Females .. ..           | 843         | 0  | 42         | 0  | 942      | 0  | 38        | 0  | ..           | .. | ..  | .. |
| <b>Polish Making.</b>         |             |    |            |    |          |    |           |    |              |    |     |    |
| Adult Females .. ..           | 43          | 0* | 40         | 0  | ..       | .. | 40        | 0  | ..           | .. | ..  | .. |
| <b>Portmanteau Making.</b>    |             |    |            |    |          |    |           |    |              |    |     |    |
| Adult Females .. ..           | 845         | 0  | 845        | 0  | 845      | 0  | 41        | 0  | 845          | 0  | 845 | 0  |
| <b>Potteries.</b>             |             |    |            |    |          |    |           |    |              |    |     |    |
| Adult Females .. ..           | 43          | 0  | 42         | 0  | 647      | 8  | ..        | .. | ..           | .. | ..  | .. |

\* Ruling or predominant rates, see note at top of page 188. † Melbourne, Brisbane, Adelaide and Hobart rates from 1st January, 1921. ‡ Hours of labour per week: 48 (daylight), 45 (artificial light).

NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.



GROUPS I, II, V. AND VI.—PRINTING AND OTHER MANUFACTURING—*continued.*

| Industry and Occupation.           | Sydney.     | Melbourne.  | Brisbane.       | Adelaide. | Perth. | Hobart. |
|------------------------------------|-------------|-------------|-----------------|-----------|--------|---------|
|                                    | s. d.       | s. d.       | s. d.           | s. d.     | s. d.  | s. d.   |
| <b>Printing.</b>                   |             |             |                 |           |        |         |
| Jobbing Office Assistants          | 743 0       | 42 6        | 942 0           | 42/ & 45/ | 645 0  | 645 0   |
| Lithographing Feeders ..           | 744 0       | 42 6        | 942 0           | 45 0      | 645 0  | 645 0   |
| <b>Rubber Working.</b>             |             |             |                 |           |        |         |
| Adult Females .. ..                | 44 0        | 44 0        | ..              | ..        | ..     | ..      |
| <b>Saddlery and Harness Making</b> |             |             |                 |           |        |         |
| Adult Females .. ..                | 845 0       | 845 0       | 845 0           | 41 0      | 845 0  | 845 0   |
| <b>Sail Making.†</b>               |             |             |                 |           |        |         |
| Adult Females .. ..                | 43 0        | 37/6 to 45/ | 642 0<br>& 47 0 | 40 0      | 650 0* | ..      |
| <b>Soap Making.</b>                |             |             |                 |           |        |         |
| Adult Females .. ..                | 43 0        | 40 0        | 40 0            | 40 0      | ..     | ..      |
| <b>Tent and Tarpaulin Making.†</b> |             |             |                 |           |        |         |
| Machinists .. ..                   | 1243/ & 45/ | 37/6 to 45/ | 642 0<br>& 47 0 | 40 0      | 650 0* | ..      |
| <b>Wickerworking.</b>              |             |             |                 |           |        |         |
| Adult Females .. ..                | 43 0        | ..          | ..              | 44 0      | 50 0   | 45 0    |

## GROUP XIII.—DOMESTIC, HOTELS, ETC.

NOTE.—The rates of wage mentioned herein for employees in Hotels and Restaurants represent the weekly cash payment where Board and Lodging are not provided. If Board and Lodging are provided the following amounts, fixed by Industrial Tribunals, may be deducted from the under-mentioned rates of wage: Sydney, 11s. to 23s. (according to class of establishment); Melbourne, 20s.; Brisbane, 17s.; Adelaide, 16s. (Restaurants); and 15s. (Hotels); Perth, 22s.; and Hobart, 20s. per week.

|                           |                  |              |            |              |      |                             |
|---------------------------|------------------|--------------|------------|--------------|------|-----------------------------|
| <b>Hotels.</b>            |                  |              |            |              |      |                             |
| Barmaids .. ..            | 52 0             | 60 0         | 663 0      | ..           | 95 0 | 2550 0                      |
| Housemaids .. ..          | 2846 0           | 43 0         | 42 0       | 38 0         | 50 0 | 2540 0                      |
| Laundresses .. ..         | 51 6             | 46 0         | 47 0       | 43 0         | 50 0 | 2540 0                      |
| Waitresses—Head ..        | 2847 0           | 46 0         | 42 0       | 43 0         | ..   | 2543 0                      |
| Other .. ..               | 2847 0           | 43 0         | 42 0       | 38 0         | 53 0 | & 48 6<br>2540 0<br>to 45 0 |
| <b>Laundries.</b>         |                  |              |            |              |      |                             |
| General Hands .. ..       | 43 0             | 25/ to 40/*  | 640 0      | 38 6         | 48 0 | 24 0                        |
| Machinists—Shirt & Collar | 43 0             | 25/ to 42/*  | 640 0      | 42 0         | 54 0 | 24 0                        |
| Sorters .. ..             | 43 0             | 30/ to 40/*  | 640 0      | 42 0         | 48 0 | 24 0                        |
| Starchers .. ..           | 43 0             | 22/6 to 32/* | 640 0      | 38 6         | 48 0 | 24 0                        |
| Washers .. ..             | 43 0             | 32/6 to 36/* | 640 0      | 38 6         | 54 0 | 24 0                        |
| <b>Office Cleaning.</b>   |                  |              |            |              |      |                             |
| Adult Females .. ..       | 443/ to 51/      | 655 0        | 654/ & 58/ | 1025 0*      | ..   | 120/to 30/*                 |
| <b>Restaurants.</b>       |                  |              |            |              |      |                             |
| Pantry Maids .. ..        | 43 0<br>to 44 6s | 43 0         | 42 6       | 39 0         | 50 0 | 2540 0                      |
| Waitresses .. ..          | 43 0<br>to 46 9s | 43 0         | 42 6       | 40/6 to 50/6 | 53 0 | 2540/ to 45/                |

## GROUP XIV.—SHOP ASSISTANTS, CLERKS, ETC.

|                          |      |          |        |        |           |                     |
|--------------------------|------|----------|--------|--------|-----------|---------------------|
| <b>Clerks, etc.</b>      |      |          |        |        |           |                     |
| Cashiers .. ..           | 46 3 | 610 50 0 | 1270 0 | 1044 0 | 50 0      | 4c 60 0             |
| Clerical Assistants ..   | 46 3 | 61050 0  | 1270 0 | 1044 0 | ..        | 4s 60 0             |
| <b>Saleswomen.</b>       |      |          |        |        |           |                     |
| Boot .. ..               | 50 0 | 1242 0   | 1250 6 | 36 6   | 50/ & 55/ | 1050 0              |
| Drapery .. ..            | 50 0 | 1242 0   | 1250 6 | 36 6   | 50/ & 55/ | 1050 0              |
| Fruit & Confectionery .. | 43 0 | ..       | 1250 6 | ..     | 50 0      | 1925 0*<br>& 1450 0 |
| News Agent & Bookstall   | 45 0 | ..       | 1250 6 | 36 6   | 50 0      | 1940 0              |
| Tobacconists .. ..       | 52 0 | ..       | 1250 6 | ..     | 50 0      | 1940 0              |

\* Ruling or predominant rates, see note at top of page 188. † Melbourne rates from 1st January, 1921. ‡ No fixed hours. § Hours vary, 48 are worked in some establishments and 56 in others.

|| In retail shops same hours as other employees.  
NOTE.—The numerical prefixes in small type refer to the fact that the number of working hours constituting a full week's work is other than 48. For reference to these prefixes see footnote to table on page 188.

